

300 E. Mineral Ave., Suite 10 Littleton, CO 80122-2631 303/781-8211 303/781-1167 Fax

August 31, 2006

Fluid Minerals Group Bureau of Land Management Vernal Field Office 170 South 500 East Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.

RBU 22-10E

Surface Location: 2,064' FNL & 1,241' FWL, SW/4 NW/4,
Target Location: 2,400' FNL & 2,300' FWL, SE/4 NW/4,
Section 10, T10S, R19E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced BLM administered directional 20-acre in-field well. The location of the surface and target location as well as all points along the intended well bore path are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan:

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

Don Hamilton
Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining RECEIVED
Carla Christian, Dominion
Ken Secrest, Dominion
SEP 0 5 2006

FILE COPY

CONFIDENTIAL

| Form 3160-3 (February 2005) | | | FORM API OMB No. 10 Expires Mon | 004-0137 |
|--|---|-------------------|---|-----------------------------------|
| UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MA | Expires March 31, 2007 5. Lease Serial No. U-035316 | | | |
| APPLICATION FOR PERMIT TO | DRILL OR REENTER | | If Indian, Allotee or N/A | Tribe Name |
| la. Type of work: DRILL REEN | TER | | 7 If Unit or CA Agreen River Bend Unit | |
| lb. Type of Well: Oil Well Gas Well Other | Single Zone Mul | iple Zone | 8. Lease Name and We RBU 22-10E | 11 No. |
| 2 Name of Operator Dominion Exploration & Production, | Inc. | | 9. API Well No. 43 C4 | 7-38588 |
| 3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134 | 3b. Phone No. (include area code) 405-749-5263 | | 10. Field and Pool, or Exp Natural Buttes | ploratory |
| 4. Location of Well (Report location clearly and in accordance with a 2,064' FNL & 1,241' FWL, SW/4 At proposed prod. zone 2,400' FNL & 2,300' FWL, SE/4 N | NW/4, | | 11. Sec., T. R. M. or Blk. Section 10, T108 | and Survey or Area S, R19E, SLB&M |
| 14. Distance in miles and direction from nearest town or post office* 10.03 miles southwest of Ouray, Utah | | | 12. County or Parish Uintah | 13. State UT |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 600' | 16. No. of acres in lease 362.27 acres | 17. Spacin | g Unit dedicated to this wel res | |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 10' | 19. Proposed Depth 8,875' TVD (9,165' MD) | 20. BLM/E WY 3 | BIA Bond No. on file 322 | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,002' GR | 22. Approximate date work will st 05/01/2007 | • | | |
| | 24. Attachments | | | |
| The following, completed in accordance with the requirements of Onsh 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover Item 20 above) n Lands, the 5. Operator certif | the operation | s form: ns unless covered by an ex ormation and/or plans as m | |
| 25. Signature Don Hamilton | Name (Printed/Typed) Don Hamilton | | D | os/31/2006 |
| Title Agent for Dominion | | | | |
| Approved by (Secramore) | Name (Printed/Typed) BRADLEY | G. HIL | L | ate 09-25-04 |
| Title | Of THE TOTAL | . MANAGE | ER | |

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Surf 604761X 44242204 39,963530 -109.773417 BHU 6050864 Federal Approval of this Action is Necessary
44241247

RECEIVED

-109, 769625

DIV. OF OIL, GAS & MINING

^{*(}Instructions on page 2)

DOMINION EXPLR. & PROD., INC. T10S, R19E, S.L.B.&M. Well location, RBU #22-10E, located as shown in the SW 1/4 NW 1/4 of Section 10, T10S, S89°41'33"W - 2658.87' (Meas.)-S89'42'22"W - 2659.81' (Meas.) R19E, S.L.B.&M., Uintah County, Utah. 1956 Brass Cap 0.7' High, Pile 1956 Brass Cap True Corner 1956 Brass Cap of Stones -0.5' High, Pile 1.0' High, Pile NB9'41'33"E -23.10' (Meas.) of Stones of Stones 2' WLY BASIS OF ELEVATION SPOT ELEVATION LOCATED AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW, QUADRANGLE, UTAH, UINTAH COUNTY 7.5 2064, MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL NE Cor. Sec. 9 1956 Brass Cap SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET. 0.4' High, Pile of Stones RBU #22-10E Elev. Graded Ground = 5002' 1241 2300 W 1/4 Cor. Sec. 10 1956 Brass Cap Bottom Hole NOO'21'55"W - 132.00' (Meas.) Brass Cap 0.3' High, Pile of N01"14'25"E 17.42' (Meas.) Stones True Corner. E 1/4 Cor. Sec. 9, 1956 Brass Cap Flush With 3' High Pile of Stones 2639. SCALE THIS IS TO CERTIFY THAT THE THE THE THE TRUE THAT THE THE THE TRUE THAT THE THE THE TRUE THAT THE THE TRUE TRUE THE TRUE BEST OF MY KNOWLEDGE 1956 Brass Cap 0.8' High, Pile of Stones, Steel 1956 Brass Cap. Pile of Stones N89°38'13"E - 2657.92' (Meas.) N89'36'17"E - 2657.34' (Meas.) 1956 Brass Cap 1.3' High, Pile of Stones, Steel BASIS OF BEARINGS Engineering Uintah Post 1.0' West SURVEYING BASIS OF BEARINGS IS A G.P.S. OBSERVATION. 85 SOUTH 200 EAST VERNAL, UTAH 84078 (NAD 83) (435) 789-1017 LATITUDE = 39.57'48.84'' (39.963567) LEGEND: SCALE DATE SURVEYED: DATE DRAWN: LONGITUDE = 109'46'27.31" (109.774253) 1" = 1000'6-29-06 7-3-06 = 90° SYMBOL (NAD 27) PARTY REFERENCES LATITUDE = 39.57,48.97" (39.963603) = PROPOSED WELL HEAD. J.R. A.A. K.G. G.L.O. PLAT LONGITUDE = 109'46'24.80'' (109.773556) = SECTION CORNERS LOCATED. WEATHER FILE = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground) WARM DOMINION EXPLR. & PROD., INC.

APPROVAL OF OPERATIONS

Attachment for Permit to Drill

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 22-10E

SHL: 2064' FNL & 1241' FWL Section 10-10S-19E BHL: 2400' FNL & 2300' FWL Section 10-10S-19E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

2. <u>ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS</u>

| <u>Formation</u> | <u>Depth</u> | | |
|-------------------|--------------|--|--|
| Wasatch Tongue | 4,300 | | |
| Uteland Limestone | 4,670 | | |
| Wasatch | 4,840 | | |
| Chapita Wells | 5,760° | | |
| Uteland Buttes | 7,050 | | |
| Mesaverde | 7,940 | | |
| | | | |

3. ESTIMATED DEPTHS OF ANTICIPATED WATER OIL, GAS OR MINERALS

| <u>Formation</u> | <u>Depth</u> | Type | |
|-------------------|--------------|------|--|
| Wasatch Tongue | 4,300 | Oil | |
| Uteland Limestone | 4,670' | Oil | |
| Wasatch | 4,840' | Gas | |
| Chapita Wells | 5,760' | Gas | |
| Uteland Buttes | 7,050° | Gas | |
| Mesaverde | 7,940' | Gas | |

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

| Type | <u>Size</u> | Weight | <u>Grade</u> | Conn. | Top | <u>Bottom</u> | <u>Hole</u> |
|-------------------------|-------------|----------------------|--------------|------------|-----|----------------|------------------|
| Surface Intermediate | | 48.0 ppf 36.0 ppf | H-40 J-55 | STC STC | 0', | 500° 3,600° | 17-½" 12-1/4" |
| Production | | 1.1 | MAV-80 | LTC | 0, | 8,875 | 7-7/8" |

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set..

All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

| 1. | Annular BOP | 1,500 psi |
|----|---|-----------|
| 2. | Ram type BOP | 3,000 psi |
| 3. | Kill line valves | 3,000 psi |
| 4. | Choke line valves and choke manifold valves | 3,000 psi |
| 5. | Chokes | 3,000 psi |
| 6. | Casing, casinghead & weld | 1,500 psi |
| 7. | Upper kelly cock and safety valve | 3,000 psi |
| 8. | Dart valve | 3,000 psi |

6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

| <u>Depths</u> | Mud Weight (ppg) | Mud System |
|-----------------|------------------|---|
| 0' - 500' | 8.4 | Air foam mist, no pressure control |
| 500' – 3,600' | 8.6 | Fresh water, rotating head and diverter |
| 3,600' - 8,875' | 8.6 | Fresh water/2% KCL/KCL mud system |

7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

9. TESTING. LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- · The formations to be penetrated do not contain known H2S gas.

11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

APPROVAL OF OPERATIONS

12. CEMENT SYSTEMS

a. Surface Cement:

- Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl₂ and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- b. Intermediate Casing Cement:
 - Drill 12-1/4" hole to 3,600'+, run and cement 9-5/8" to surface.
 - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
 - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
 - Cement to surface not required due to surface casing set deeper than normal.

| | | | | | <u>Hole</u> | <u>Cement</u> |
|------|---------|-------------------|----------------|-------------|---------------|---------------|
| Type | Sacks 5 | <u>Interval</u> | Density | Yield Yield | <u>Volume</u> | <u>Volume</u> |
| Lead | 425 | 0'- 3,100' | 10.5 ppg | 4.14 CFS | 1005 CF | 1,758 CF |
| Tail | 254 | 3,100'-3,600' | 15.6 ppg | 1.2 CFS | 174 CF | 305 CF |

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Ha

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

4.14 cf/sack

Slurry weight: 10.5 #/gal.

15.6 #/gal.

Water requirement: 26.07 gal/sack

Compressives @ 110°F: 72 psi after 24 hours

Tail Mix:

Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry weight:

Slurry yield: Pump Time:

1.20 cf/sack

1 hr. 5 min. (a) 110 °F.

Compressives (a) 110 °F: 2,500 psi after 24 hours

c. Production Casing Cement:

- Drill 7-7/8" hole to 8,875'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

| | | | | | <u>Hole</u> | Cement |
|-------------|--------------|-----------------|----------------|--------------|---------------|---------------|
| <u>Type</u> | Sacks | <u>Interval</u> | Density | <u>Yield</u> | <u>Volume</u> | <u>Volume</u> |
| Lead | 90 | 4,040'-4,840' | 11.5 ppg | 3.12 CFS | 139 CF | 277 CF |
| Tail | 800 | 4,840'-8,875' | 13.0 ppg | 1.75 CFS | 699 CF | 1398 CF |

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

3.12 cf/sack

Slurry weight:

11.60 #/gal.

Water requirement:

17.71 gal/sack

Compressives (a), 130°F: 157 psi after 24 hours

Tail Mix:

Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield:

1.75 cf/sack

Slurry weight:

13.00 #/gal.

Water requirement:

9.09 gal/sack

Compressives @ 165°F: 905 psi after 24 hours

13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date:

May 1, 2007

Duration:

14 Days

0° 540 MD Start Build 3.00

40° 1858 MD Start Hold

40° 2232 MD Start Drop -3.00

9 5/8"

0° 3550 MD Start Hold Vertical Point

Wasatch Tongue

Uteland Limestone

Chapita Wells

Uteland Buttes

Mesaverde

0° 9165 MD TD

2400

Wasatch

1200

2400

3600

4800

6000

7200

8400

8875

Ó

1112

True Vertical Depth [1200ft/in]

Dominion Exploration & Production

Field: Uintah County, Utah Site: RBU 22-10E Well: RBU 22 10E

Wellpath: Original Hole Plan: Plan #1



Azimuths to True North Magnetic North: 11.79°

Magnetic Field Strength: 52806nT Dip Angle: 65.91° Date: 8/23/2006 Model: igrf2005





Uintah County, Utah Utah - Naturai Buttes USA

Geodetic System: US State Plane Coordinate System 1983 Ellipsoid: GRS 1980 Zone: Utah, Central Zone Magnetic Model: igrt2005

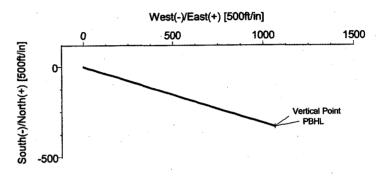
System Datum: Mean Sea Level Local North: True North



SITE DETAILS RBU 22-10E Sec 10: 10S, 19 E Uintah County, Utah

Site Centre Latitude: 39°57'48.840N Longitude: 109°46'27.310W

Ground Level: 5002.00
Positional Uncertainty: 0.00
Convergence: 1.11



WELLPATH DETAILS

Original Hole

| Rig: Ref. Datum: | Es | t RKB | 5002.00ft | |
|---------------------|-----------------|-----------------|----------------------|--|
| V.Section Angle | Origin +N/-S | Origin +E/-W | Starting From TVE | |
| 107.28° | 0.00 | 0.00 | 8875.00 | |

WELL DETAILS

| Name | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------------|-------|-------|------------|------------|---------------|----------------|------|
| DBI 122 10E | 0.00 | 0.00 | 7160133 32 | 2124090.57 | 39°57'48.840N | 109°46'27.310W | N/A |

| 2 10E | 0.00 | 0.00 | 7160133.32 | 2124090.57 | 39°57'48.840N | 109°46'27.310W | N |
|-------|------|------|------------|------------|---------------|----------------|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

TARGET DETAILS Shape -330.23 -330.23 Vertical Point

TVDPath MDPath 4300.00 4670.00 4840.00 5760.00 7050.00 7940.00 4589.79 4959.79 5129.79 6049.79 7339.79 8229.79 9164.79 Wasatch Tongue Uteland Limestone Wasatch Chapita Wells Uteland Buttes Mesaverde TD 1234567 8875.00

FORMATION TOP DETAILS

| | | | | | SECTION | DETAILS | | |
|-----------------------|--|--|--|--|--|--|--|--|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace |
| 1 2 3 4 5 | 0.00 540.00 1857.67 2232.13 3549.79 9164.79 | 0.00 0.00 39.53 39.53 0.00 0.00 | 107.28 107.28 107.28 107.28 107.28 107.28 | 0.00 540.00 1755.59 2044.41 3260.00 8875.00 | 0.00 0.00 -129.72 -200.51 -330.23 -330.23 | 0.00 0.00 417.09 644.68 1061.77 1061.77 | 0.00 0.00 3.00 0.00 3.00 0.00 | 0.00 0.00 107.28 0.00 180.00 107.28 |

1200 Vertical Section at 107.28° [1200ft/in]

Ryan Energy Technologies 19510 Oil Center Bivd Houston, TX 77073 Ph; 281-443-1414 Fx; 281-443-1676

Ryan The leader in underground intelligence?

Name

| Created By: Charlotte Sims | Date: 8/25/2006 |
|----------------------------|-----------------|
| Checked: | Date: |
| Reviewed: | Date: |
| Approved: | Date: |

VSec

0.00 0.00 436.80 675.14

Target

Vertical Poi





Page:

Company: Dominion Exploration & Product

Field: Site:

Uintah County, Utah **RBU 22-10E**

RBU 22 10E Well: Wellpath: Original Hole 8/25/2006

Time: 14:21:30

Co-ordinate(NE) Reference: Well: RBU 22 10E, True North

Vertical (TVD) Reference: Section (VS) Reference:

Est RKB 5002.0 Well (0.00N,0.00E,107.28Azi)

Plan #1

Uintah County, Utah

Utah - Natural Buttes

USA

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Coordinate System: Geomagnetic Model: Utah, Central Zone

Well Centre igrf2005

Site:

RBU 22-10E

Sec 10: 10S, 19 E

Site Position:

Well Position:

Uintah County, Utah

Geographic From:

Position Uncertainty: **Ground Level:**

0.00 ft 5002.00 ft

Northing: 7160133.32 ft Easting: 2124090.57 ft

Latitude: Longitude:

North Reference:

Grid Convergence:

48.840 N 39 57 27.310 W 109 46 True

1.105 deg

Well:

RBU 22 10E

+N/-S

Northing: 0.00 ft 0.00 ft Easting:

7160133.32 ft 2124090.57 ft

Height 5002.00 ft

+N/-S

ft

0.00

Latitude: Longitude:

Slot Name:

48.840 N 39 57 109 46 27.310 W

Surface

Position Uncertainty:

Current Datum:

Magnetic Data:

Field Strength:

Vertical Section:

Wellpath: Original Hole

0.00 ft

52806 nT

8/23/2006

Depth From (TVD)

8875.00

Drilled From:

Tie-on Depth:

Above System Datum: Declination:

0.00 ft Mean Sea Level 11.792 deg 65.910 deg

Mag Dip Angle: +E/-W

Direction deg

ft 0.00

107.28 8/23/2006

Plan:

Principal:

Yes

Plan #1

Date Composed: Version:

Tied-to:

From Surface

Plan Section Information

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | DLS deg/100ft | Build deg/100ff | Turn deg/100ft | TFO deg | Target |
|----------|-------------|-------------|-----------|-------------|-------------|------------------|--------------------|-------------------|------------|----------------|
| 0.00 | 0.00 | 107.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 540.00 | 0.00 | 107.28 | 540.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 1857.67 | 39.53 | 107.28 | 1755.59 | -129.72 | 417.09 | 3.00 | 3.00 | 0.00 | 107.277 | |
| 2232.13 | 39.53 | 107.28 | 2044.41 | -200.51 | 644.68 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 3549.79 | 0.00 | 107.28 | 3260.00 | -330.23 | 1061.77 | 3.00 | -3.00 | 0.00 | 180.000 | Vertical Point |
| 9164.79 | 0.00 | 107.28 | 8875.00 | -330.23 | 1061.77 | 0.00 | 0.00 | 0.00 | 107.277 | PBHL |

| | | | · · · · · · · · · · · · · · · · · · · | n a filman was to the contract | The real following | | Carrier Commence | 3.64 (2.15) (1.15) | m 1/0 | an subject |
|-------------|--|--|--|--|--|---|---|--|--|--|
| Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | | | | 1 001/Сошшен | |
| 0.00 | 107.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| | | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | 107.28 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0.00 | 107.28 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | 540.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| | | 599.99 | -0.28 | 0.90 | 0.94 | 3.00 | 3.00 | | | |
| | | 699.81 | -1.99 | 6.40 | 6.70 | 3.00 | 3.00 | | | |
| 7.80 | 107.28 | 799.20 | -5.25 | 16.87 | 17.67 | 3.00 | 3.00 | 0.00 | | |
| 10.80 | 107.28 | 897.87 | -10.05 | 32.30 | 33.83 | 3.00 | 3.00 | 0.00 | | |
| | | | -16.37 | 52.64 | 55.13 | 3.00 | 3.00 | 0.00 | | |
| | | | | 77.84 | 81.51 | 3.00 | 3.00 | 0.00 | | |
| | | | | | 112.91 | 3.00 | 3.00 | 0.00 | | |
| 22.80 | 107.28 | 1280.10 | -44.32 | 142.50 | 149.23 | 3.00 | 3.00 | 0.00 | | |
| | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.80 4.80 7.80 10.80 13.80 16.80 19.80 | deg deg 0.00 107.28 0.00 107.28 0.00 107.28 0.00 107.28 0.00 107.28 0.00 107.28 0.00 107.28 1.80 107.28 4.80 107.28 7.80 107.28 13.80 107.28 16.80 107.28 19.80 107.28 | deg deg ft 0.00 107.28 0.00 0.00 107.28 100.00 0.00 107.28 200.00 0.00 107.28 300.00 0.00 107.28 400.00 0.00 107.28 500.00 0.00 107.28 540.00 1.80 107.28 599.99 4.80 107.28 699.81 7.80 107.28 799.20 10.80 107.28 897.87 13.80 107.28 995.57 16.80 107.28 1092.01 19.80 107.28 1186.94 | deg deg ft ft 0.00 107.28 0.00 0.00 0.00 107.28 100.00 0.00 0.00 107.28 200.00 0.00 0.00 107.28 300.00 0.00 0.00 107.28 400.00 0.00 0.00 107.28 500.00 0.00 0.00 107.28 540.00 0.00 1.80 107.28 599.99 -0.28 4.80 107.28 699.81 -1.99 7.80 107.28 799.20 -5.25 10.80 107.28 897.87 -10.05 13.80 107.28 995.57 -16.37 16.80 107.28 1092.01 -24.21 19.80 107.28 1186.94 -33.53 | deg deg ft ft ft 0.00 107.28 0.00 0.00 0.00 0.00 107.28 100.00 0.00 0.00 0.00 107.28 200.00 0.00 0.00 0.00 107.28 300.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 1.80 107.28 599.99 -0.28 0.90 4.80 107.28 699.81 -1.99 6.40 7.80 107.28 897.87 -10.05 32.30 13.80 107.28 995.57 -16.37 52.64 16.80 107.28 1092.01 -24.21 77.84 19.80 107.28 1186.94 -33.53 107.82 | deg deg ft ft ft ft 0.00 107.28 0.00 0.00 0.00 0.00 0.00 107.28 100.00 0.00 0.00 0.00 0.00 107.28 200.00 0.00 0.00 0.00 0.00 107.28 300.00 0.00 0.00 0.00 0.00 107.28 400.00 0.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 0.00 0.00 107.28 540.00 0.00 0.00 0.00 1.80 107.28 599.99 -0.28 0.90 0.94 4.80 107.28 699.81 -1.99 6.40 6.70 7.80 107.28 799.20 -5.25 16.87 17.67 10.80 107.28 895.57 -16.37 52.64 55.13 16.80 107.28 1092.01 -24.21 77.84 81.51 19.80 <td>deg deg ft ft ft ft ft deg/100ft 0.00 107.28 0.00<td>deg deg ft ft ft ft deg/100ft deg/100ft 0.00 107.28 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 100.00 0.00</td><td>deg deg ft ft ft ft deg/100ft deg/100ft deg/100ft deg/100ft 0.00 107.28 0.00 <</td><td>deg deg ft ft ft ft ft ft deg/100ft deg/100ft deg/100ft 0.00 107.28 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 100.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 300.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 400.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.80 107.28 599.99 -0.28 0.90 0.94 3.00 3.00 0.00 4.80 107.28 699.81 -1.99 6.40 6.70 3.00 3.</td></td> | deg deg ft ft ft ft ft deg/100ft 0.00 107.28 0.00 <td>deg deg ft ft ft ft deg/100ft deg/100ft 0.00 107.28 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 100.00 0.00</td> <td>deg deg ft ft ft ft deg/100ft deg/100ft deg/100ft deg/100ft 0.00 107.28 0.00 <</td> <td>deg deg ft ft ft ft ft ft deg/100ft deg/100ft deg/100ft 0.00 107.28 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 100.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 300.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 400.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.80 107.28 599.99 -0.28 0.90 0.94 3.00 3.00 0.00 4.80 107.28 699.81 -1.99 6.40 6.70 3.00 3.</td> | deg deg ft ft ft ft deg/100ft deg/100ft 0.00 107.28 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 100.00 0.00 | deg deg ft ft ft ft deg/100ft deg/100ft deg/100ft deg/100ft 0.00 107.28 0.00 < | deg deg ft ft ft ft ft ft deg/100ft deg/100ft deg/100ft 0.00 107.28 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 100.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 300.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 400.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 107.28 500.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.80 107.28 599.99 -0.28 0.90 0.94 3.00 3.00 0.00 4.80 107.28 699.81 -1.99 6.40 6.70 3.00 3. |





Company: Dominion Exploration & Product Field:

Uintah County, Utah RBU 22-10E RBU 22 10E Site: Well: Wellpath: Original Hole

Date: 8/25/2006

Date: 8/25/2006 Time: 14:21:30
Co-ordinate(NE) Reference: Well: RBU 22 10E, True North
Vertical (TVD) Reference: Est RKB 5002.0

Section (VS) Reference: Well (0.00N,0.00E,107.28Azi)

Plan #1

| MD | Incl | Azim | TVD | +N/-S | +E/-W | VS | DLS | Build | Turn | Tool/Comment |
|----------------|----------------|------------------|--------------------|--------------------|-------------------|---------|-----------|--------------|--------------|-------------------|
| ft | deg | deg | ft | ft | ft | ft | deg/100ft | deg/100ft | deg/100ft | |
| 400.00 | 25.80 | 107.28 | 1371.23 | -56.54 | 181.79 | 190.38 | 3.00 | 3.00 | 0.00 | • |
| 500.00 | 28.80 | 107.28 | 1460.08 | -70.16 | 225.58 | 236.24 | 3.00 | 3.00 | 0.00 | |
| 00.00 | 31.80 | 107.28 | 1546.41 | -85.14 | 273.75 | 286.68 | 3.00 | 3.00 | 0.00 | |
| | | | 1629.98 | -101.44 | 326.17 | 341.58 | 3.00 | 3.00 | 0.00 | |
| 00.00 | 34.80 | 107.28 | | | | | 3.00 | 3.00 | 0.00 | |
| 800.00 | 37.80 | 107.28 | 1710.57 | -119.02 | 382.69 | 400.77 | 3.00 | 3.00 | 0.00 | |
| 857.67 | 39.53 | 107.28 | 1755.59 | -129.72 | 417.09 | 436.80 | 3.00 | 3.00 | 0.00 | • |
| 900.00 | 39.53 | 107.28 | 1788.24 | -137.73 | 442.82 | 463.75 | 0.00 | 0.00 | 0.00 | |
| 200.00 | 39.53 | 107.28 | 1865.37 | -156.63 | 503.60 | 527.39 | 0.00 | 0.00 | 0.00 | |
| | | | | -175.53 | 564.38 | 591.04 | 0.00 | 0.00 | 0.00 | |
| 2100.00 | 39.53 | 107.28 | 1942.50 | | | | 0.00 | 0.00 | 0.00 | • |
| 2200.00 | 39.53 | 107.28 | 2019.63 | -194.43 | 625.15 | 654.69 | 0.00 | 0.00 | 0.00 | |
| 232.13 | 39.53 | 107.28 | 2044.41 | -200.51 | 644.68 | 675.14 | 0.00 | 0.00 | 0.00 | |
| 2300.00 | 37.49 | 107.28 | 2097.52 | -213.06 | 685.03 | 717.40 | 3.00 | -3.00 | 0.00 | |
| | | 107.28 | 2178.41 | -230.51 | 741.14 | 776.16 | 3.00 | -3.00 | 0.00 | • |
| 2400.00 | 34.49 | | 2262.28 | -246.68 | 793.13 | 830.61 | 3.00 | -3.00 | 0.00 | |
| 2500.00 | 31.49 | 107.28 | | | | | 3.00 | -3.00 | 0.00 | |
| 2600.00 | 28.49 | 107.28 | 2348.88 | -261.52 | 840.86 | 880.60 | 3.00 | -5.00 | 0.00 | |
| 2700.00 | 25.49 | 107.28 | 2437.97 | -275.00 | 884.20 | 925.98 | 3.00 | -3.00 | 0.00 | |
| | 22.49 | 107.28 | 2529.32 | -287.08 | 923.03 | 966.64 | 3.00 | -3.00 | 0.00 | |
| 2800.00 | | 107.28 | 2622.67 | -297.72 | 957.23 | 1002.46 | 3.00 | -3.00 | 0.00 | |
| 2900.00 | 19.49 | | | | | 1033.35 | 3.00 | -3.00 | 0.00 | |
| 3000.00 | 16.49 13.49 | 107.28 107.28 | 2717.77 2814.35 | -306.89 -314.57 | 986.73 1011.43 | 1059.22 | 3.00 | -3.00 | 0.00 | |
| 3100.00 | 10.40 | 107.20 | 2017.00 | Q., 1.01 | | | | | | |
| 3200.00 | 10.49 | 107.28 | 2912.16 | -320.74 | 1031.27 | 1080.00 | 3.00 | -3.00 | 0.00 | |
| 3300.00 | 7.49 | 107.28 | 3010.92 | -325.39 | 1046.19 | 1095.63 | 3.00 | -3.00 | 0.00 | |
| 3400.00 | 4.49 | 107.28 | 3110.36 | -328.49 | 1056.16 | 1106.07 | 3.00 | -3.00 | 0.00 | |
| 3500.00 | 1.49 | 107.28 | 3210.21 | -330.04 | 1061.15 | 1111.29 | 3.00 | -3.00 | 0.00 | |
| 3549.79 | 0.00 | 107.28 | 3260.00 | -330.23 | 1061.77 | 1111.94 | 3.00 | -3.00 | 0.00 | Vertical Point |
| JJ73.13 | 0.00 | , , , | | | | | | | 0.00 | |
| 3600.00 | 0.00 | 107.28 | 3310.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 0.00 | |
| 3700.00 | 0.00 | 107.28 | 3410.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | | |
| 3800.00 | 0.00 | 107.28 | 3510.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 3889.79 | 0.00 | 107.28 | 3600.00 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | 9 5/8" |
| 3900.00 | 0.00 | 107.28 | 3610.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| | | | | 000.00 | 4004 77 | 4444.04 | 0.00 | 0.00 | 0.00 | |
| 4000.00 | 0.00 | 107.28 | 3710.21 | -330.23 | 1061.77 | 1111.94 | | | | |
| 4100.00 | 0.00 | 107.28 | 3810.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 4200.00 | 0.00 | 107.28 | 3910.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 4300.00 | 0.00 | 107.28 | 4010.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 4400.00 | 0.00 | 107.28 | 4110.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | • |
| | | | 4040.04 | 220.00 | 1004 77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 4500.00 | 0.00 | 107.28 | 4210.21 | -330.23 | 1061.77 | | | 0.00 | 0.00 | Wasatch Tongue |
| 4589.79 | 0.00 | 107.28 | 4300.00 | -330.23 | 1061.77 | 1111.94 | 0.00 | | | Trasaton Tongue |
| 4600.00 | 0.00 | 107.28 | 4310.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 4700.00 | 0.00 | 107.28 | 4410.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 4800.00 | 0.00 | 107.28 | 4510.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| | | 407.00 | 4640.04 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 4900.00 | 0.00 | 107.28 | 4610.21 | | | | 0.00 | 0.00 | 0.00 | Uteland Limestone |
| 4959.79 | 0.00 | 107.28 | 4670.00 | -330.23 | 1061.77 | 1111.94 | | | | JUNETA ENTICOTO |
| 5000.00 | 0.00 | 107.28 | 4710.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 5100.00 | 0.00 | 107.28 | 4810.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 5129.79 | 0.00 | 107.28 | 4840.00 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | Wasatch |
| | | | 1040.01 | 000.00 | 4004 77 | 1111 04 | 0.00 | 0.00 | 0.00 | |
| 5200.00 | 0.00 | 107.28 | 4910.21 | -330.23 | 1061.77 | 1111.94 | | 0.00 | 0.00 | |
| 5300.00 | 0.00 | 107.28 | 5010.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | | | |
| 5400.00 | 0.00 | 107.28 | 5110.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 5500.00 | 0.00 | 107.28 | 5210.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 5600.00 | 0.00 | 107.28 | 5310.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| | | 40= 00 | E440.04 | 220.00 | 1064 77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 5700.00 | 0.00 | 107.28 | 5410.21 | -330.23 | 1061.77 | | | 0.00 | 0.00 | |
| 5800.00 | 0.00 | 107.28 | 5510.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | | | |
| 5900.00 | 0.00 | 107.28 | 5610.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 0.00 | 0.00 0.00 | |
| 3900.00 | | | 5710.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | | | |





Company: Dominion Exploration & Product

Field: Uintah County, Utah
Site: RBU 22-10E
Well: RBU 22 10E
Wellpath: Original Hole

Co-ordinate(NE) Reference: Well: RBU 22 10E, True North Vertical (TVD) Reference: Est RKB 5002.0
Section (VS) Reference: Well (0.00N.0.00F 107 00.00F 107

| MD | Incl | Azim | TVD | +N/-S | +E/-W | VS | DLS | Build | Turn | Tool/Comment |
|--------------------|--------------|------------------|--------------------|---------|---------|-----------|-----------|-----------|-----------|----------------|
| ft | deg | deg | ft | ft | ft | ft | deg/100ft | deg/100ft | deg/100ft | |
| 6049.79 | 0.00 | 107.28 | 5760.00 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | Chapita Wells |
| 6100.00 | 0.00 | 107.28 | 5810,21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 6200.00 | 0.00 | 107.28 | 5910.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 6300.00 | 0.00 | 107.28 | 6010.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | • |
| 6400.00 | 0.00 | 107.28 | 6110.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 6500.00 | 0.00 | 107.28 | 6210.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | • |
| 6600.00 | 0.00 | 107.28 | 6310.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| | | 107.28 | 6410.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 6700.00 | 0.00 | 107.28 | 6510.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 6800.00 | 0.00 | | 6610.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 6900.00 | 0.00 | 107.28 | | | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 7000.00 | 0.00 | 107.28 | 6710.21 | -330.23 | 1001.77 | . 1111.54 | 0.00 | | | |
| 7100.00 | 0.00 | 107.28 | 6810.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| | 0.00 | 107.28 | 6910.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 7200.00 | 0.00 | 107.28 | 7010.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 7300.00 | | 107.28 | 7050.00 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | Uteland Buttes |
| 7339.79 | 0.00 | | 7030.00 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 7400.00 | 0.00 | 107.28 | / T 10.21 | -330.23 | 1001.77 | 1111.07 | 0.00 | | | |
| 7500.00 | 0.00 | 107.28 | 7210.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 7600.00 | 0.00 | 107.28 | 7310.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 7700.00 | 0.00 | 107.28 | 7410.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 7800.00 | 0.00 | 107.28 | 7510.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 7900.00 | 0.00 | 107.28 | 7610.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 0000.00 | 0.00 | 107.28 | 7710.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8000.00 | 0.00 | 107.28 | 7810.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8100.00 | 0.00 | 107.28 | 7910.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8200.00 | | 107.28 | 7940.00 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | Mesaverde |
| 8229.79 | 0.00 | | 8010.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8300.00 | 0.00 | 107.28 | 0010.21 | *330.23 | 1001.77 | | | | | |
| 8400.00 | 0.00 | 107.28 | 8110.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8500.00 | 0.00 | 107.28 | 8210.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8600.00 | 0.00 | 107.28 | 8310.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8700.00 | 0.00 | 107.28 | 8410.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8800.00 | 0.00 | 107.28 | 8510.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 0000.00 | 0.00 | 107.28 | 8610.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 8900.00 | | | 8710.21 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 9000.00 | 0.00 | 107.28 | | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | |
| 9100.00 9164.79 | 0.00 0.00 | 107.28 107.28 | 8810.21 8875.00 | -330.23 | 1061.77 | 1111.94 | 0.00 | 0.00 | 0.00 | PBHL |

| Targets | | | | | | | | | 7177 | | |
|------------------------------------|------------------|----------------|-------------|-------------|-----------------------|----------------------|-------------|----------------------|------|-----------|---|
| Name | Description Dip. | TVD Dir. ft | +N/-S ft | +E/-W ft | Map Northing ft | Map Easting ft | | Latitude> Min Sec | Deg | Min Sec | > |
| Vertical Point | | 3260.00 | -330.23 | 1061.77 | 7159823.64 | 2125158.52 | 39 | 57 45.576 N | 109 | 46 13.673 | W |
| -Plan hit targ PBHL -Plan hit targ | | 8875.00 | -330.23 | 1061.77 | 7159823.64 | 2125158.52 | 39 | 57 45.576 N | 109 | 46 13.673 | W |

| | Casing Poi | nts | | | | |
|---|------------|-----------|----------------|-----------------|--------|--|
| | MD ft | TVD ft | Diameter in | Hole Size in | Name | |
| - | 3889.79 | 3600.00 | 9.625 | 12.250 | 9 5/8" | |





Company: Dominion Exploration & Product

Field: Uintah County, Utah

RBU 22-10E RBU 22 10E Site: Well: Wellpath: Original Hole

Date: 8/25/2006 Time: 14:21:30 Co-ordinate(NE) Reference: Well: RBU 22 10E, True North Vertical (TVD) Reference: Est RKB 5002.0

Vertical (TVD) Reference:

Section (VS) Reference:

Well (0.00N,0.00E,107.28Azi) Plan #1

| Formation: | 5 | | | | DI DI (1) |
|------------|-----------|-------------------|-----------|------------------|----------------------|
| MD ft | TVD ft | Formations | Lithology | Dip Angle deg | Dip Direction deg |
| | 4200.00 | Wasatch Tongue | | 0.00 | 0.00 |
| 4589.79 | 4300.00 | | | 0.00 | 0.00 |
| 4959.79 | 4670.00 | Uteland Limestone | | 0.00 | 0.00 |
| 5129.79 | 4840.00 | Wasatch | | 0.00 | 0.00 |
| 6049.79 | 5760.00 | Chapita Wells | | | |
| 7339.79 | 7050.00 | Uteland Buttes | | 0.00 | 0.00 |
| | | Mesaverde | | 0.00 | 0.00 |
| 8229.79 | 7940.00 | | | 0.00 | 0.00 |
| 9164.79 | 8875.00 | . TD | | 0.00 | |

SURFACE USE PLAN

CONDITIONS OF APPROVAL

Attachment for Permit to Drill

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 22-10E

SHL: 2064' FNL & 1241' FWL Section 10-10S-19E

BHL: 2400' FNL & 2300' FWL Section 10-10S-19E

Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Wednesday, August 9, 2006 at approximately 10:15 am. In attendance at the onsite inspection were the following individuals:

Karl Wright

Nam wingm

Brandon McDonald Ken Secrest

Brandon Bowthorpe

Billy McClure

Randy Jackson Don Hamilton Nat. Res. Prot. Spec.

Wildlife Biologist

Field Foreman

Surveyor

Foreman

Foreman Agent Bureau of Land Management – Vernal Bureau of Land Management – Vernal

Dominion E & P, Inc.

Uintah Engineering & Land Surveying

LaRose Construction

Jackson Construction Buys & Associates, Inc.

1. Existing Roads:

- a. No upgrades to existing roads and no new roads are proposed at this time since access will utilize the existing road to the existing well site.
- b. The proposed well site is located approximately 10.03 miles south of Ouray, UT.
- c. Directions to the proposed well site have been attached at the end of Exhibit B.
- d. The use of roads under State and County Road Department maintenance are necessary to access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- e. All existing roads will be maintained and kept in good repair during all phases of operation.
- e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- f. Since no improvements are anticipated to any State, County, Tribal or BLM access roads no topsoil striping will occur.
- g. An off-lease federal right-of-way is not anticipated for the access road or utility corridor since both are located within the existing River Bend Unit boundary and both utilize entirely existing disturbance.

Planned Access Roads:

- a. The proposed well utilizes the existing wellsite RBU 4/5-10E with no new access proposed.
- b. The operator will be responsible for all maintenance of the existing access road including drainage structures.

3. Location of Existing Wells:

a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown or Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- f. No new pipeline corridors are proposed at this time since gas transportation will utilize the existing pipeline network to the existing well site.
- g. The existing pipeline will be upgrade to 10" or less, as needed, from the proposed well to the existing Tap 1 Facility to provide additional production transportation capacity from the proposed 20 acre in-field wells.
- h. The upgraded gas pipeline will be a 10" or less steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction.

i. Dominion intends on installing the upgraded pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. <u>Location and Type of Water Supply:</u>

 The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from Ute Tribal or BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. <u>Methods of Handling Waste Disposal:</u>

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the northeast side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- 1. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the southeast.
- c. The pad and road designs are consistent with BLM specification
- d. A pre-construction meeting with responsible company representative, contractors and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters form entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

- k. Pits will remain fenced until site cleanup.
- 1. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
 - a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
 - b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:
 - 1. Crested Wheat Grass

3. Rice Grass

(4 lbs / acre)

2. Needle and Thread Grass

(4 lbs / acre) (4 lbs / acre)

- c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

- a. Surface Ownership Federal under the management of the Bureau of Land Management Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.
- b. Mineral Ownership Federal under the management of the Bureau of Land Management Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
 - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
 - b. No drainage crossings that require additional State or Federal approval are being crossed.
 - c. A pipeline upgrade is proposed with this application.

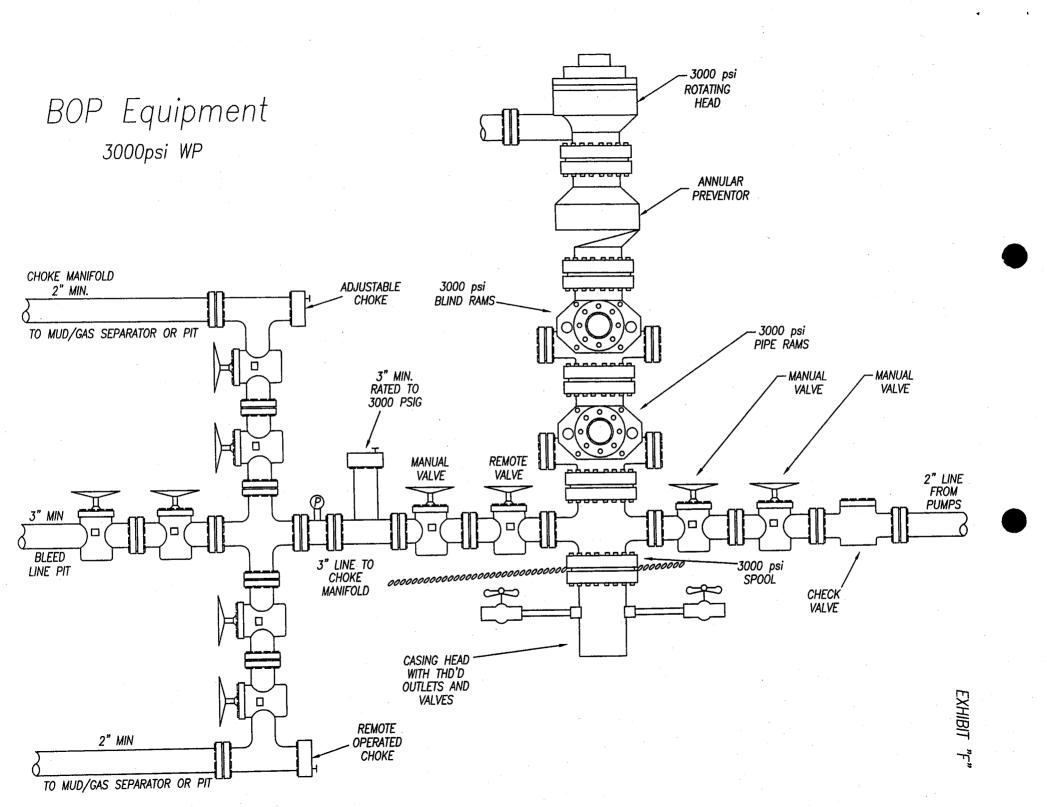
13. Operator's Representative and Certification

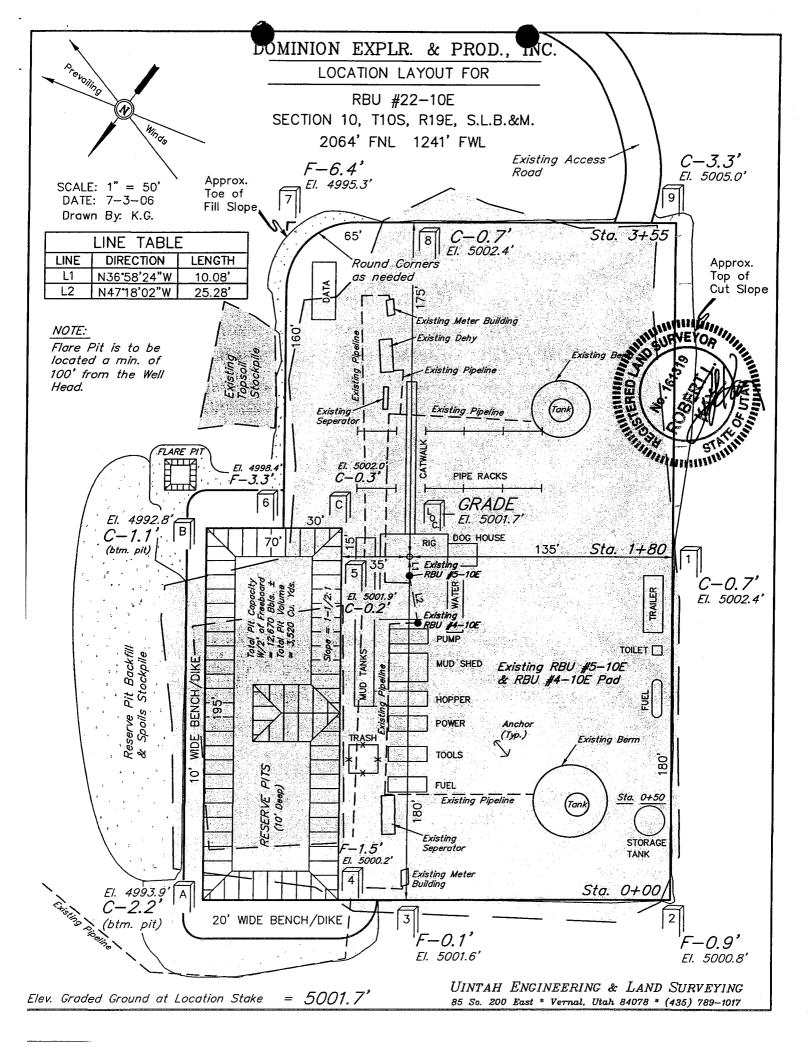
| | Title | Name | Office Phone |
|---|------------------------------------|-----------------|----------------|
| | Company Representative (Roosevelt) | Ken Secrest | 1-435-722-4521 |
| • | Company Representative (Oklahoma) | Carla Christian | 1-405-749-5263 |
| | Agent for Dominion | Don Hamilton | 1-435-637-4075 |

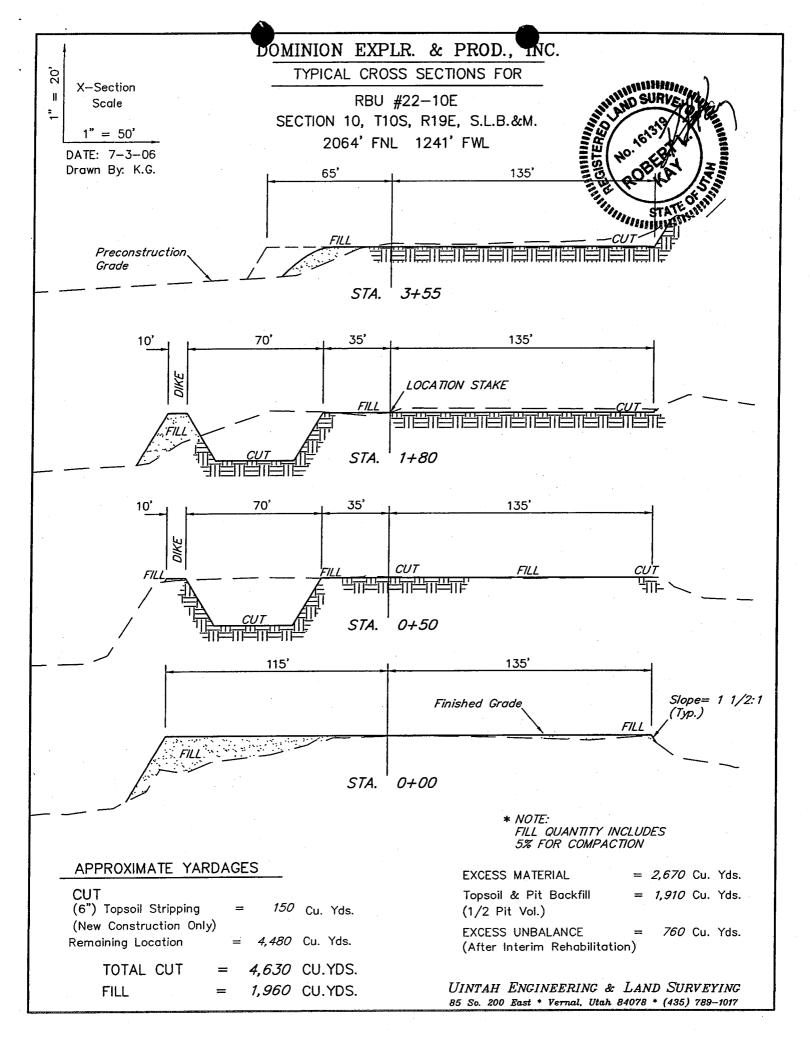
Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature: Don Hamilton Date: 8-31-06







DOMINION EXPLR. & PROD., INC.

RBU #22-10E LOCATED IN UINTAH COUNTY, UTAH SECTION 10, T10S, R19E, S.L.B.&M.

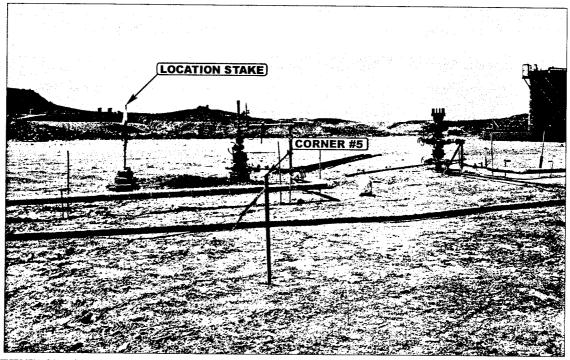


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

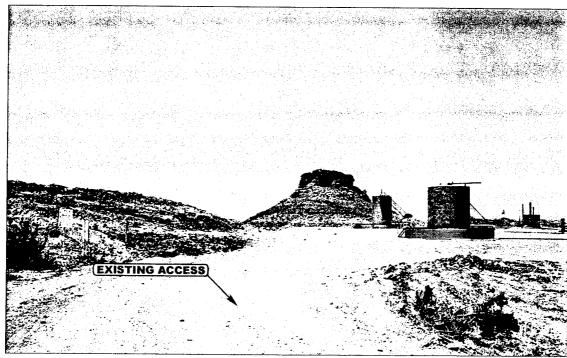


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHWESTERLY



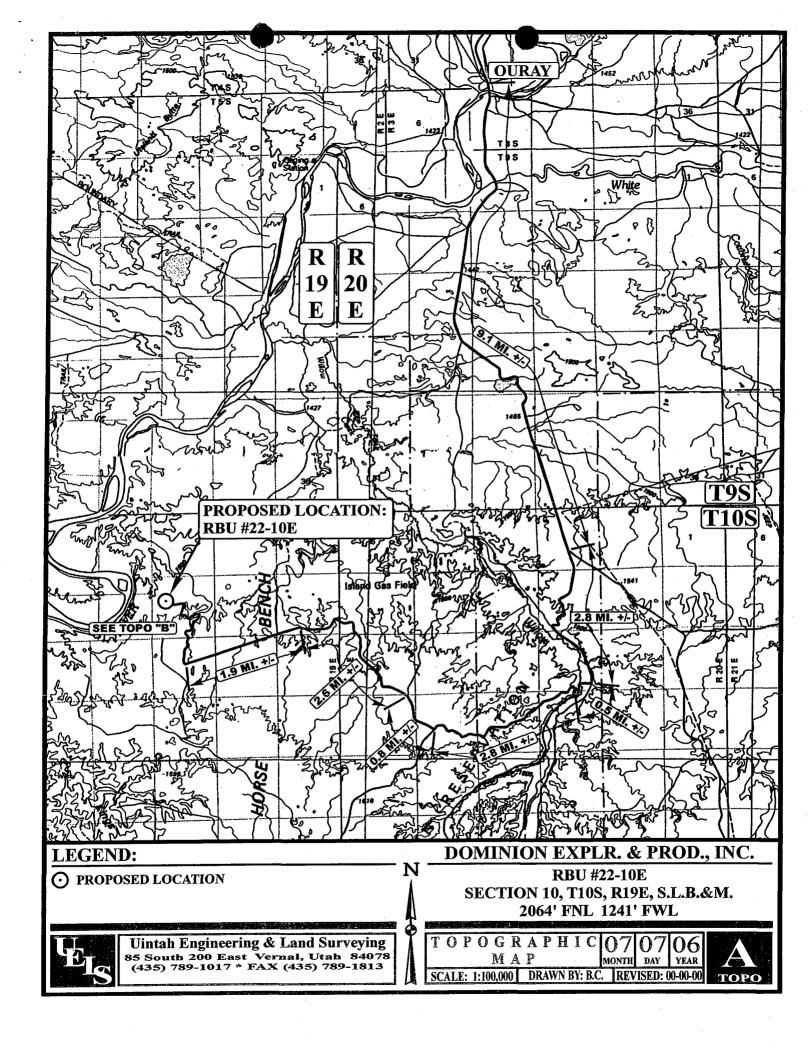
Uintah Engineering & Land Surveying S South 200 East Vernal, Utah 84078 435-789-1017 Vernal, Utah 84078 uels@uelsinc.com

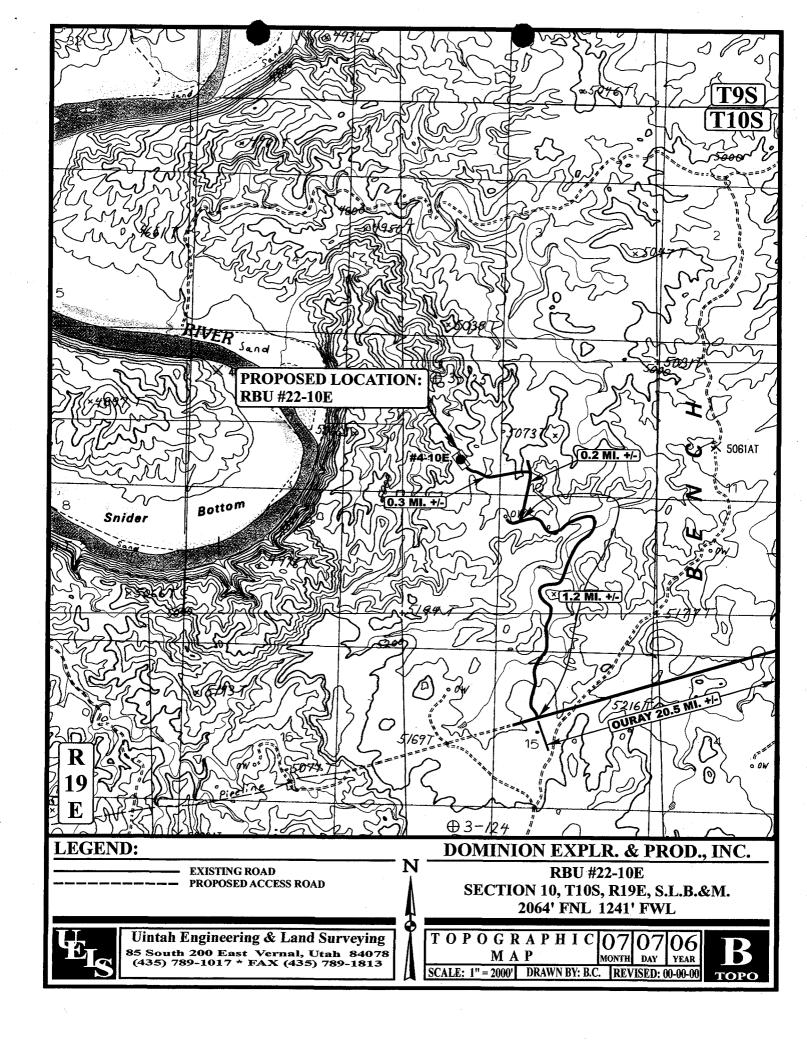
LOCATION PHOTOS

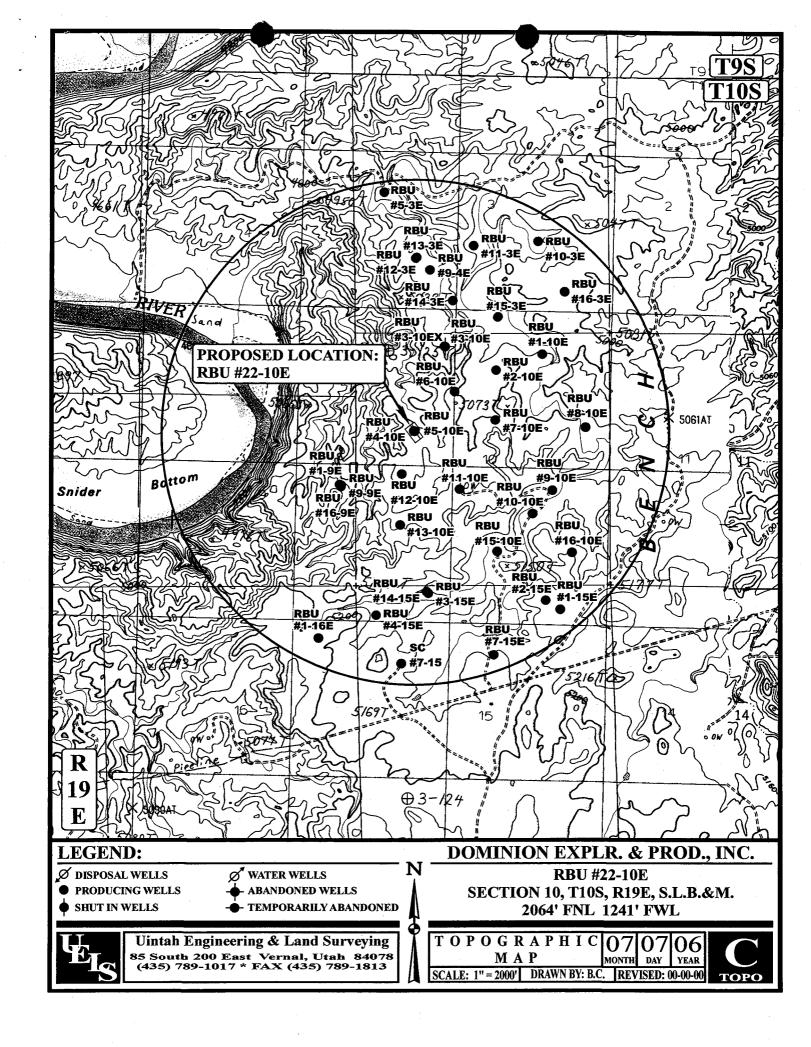
MONTH DAY YEAR

РНОТО

TAKEN BY: B.B. DRAWN BY: B.C. | REVISED: 00-00-00



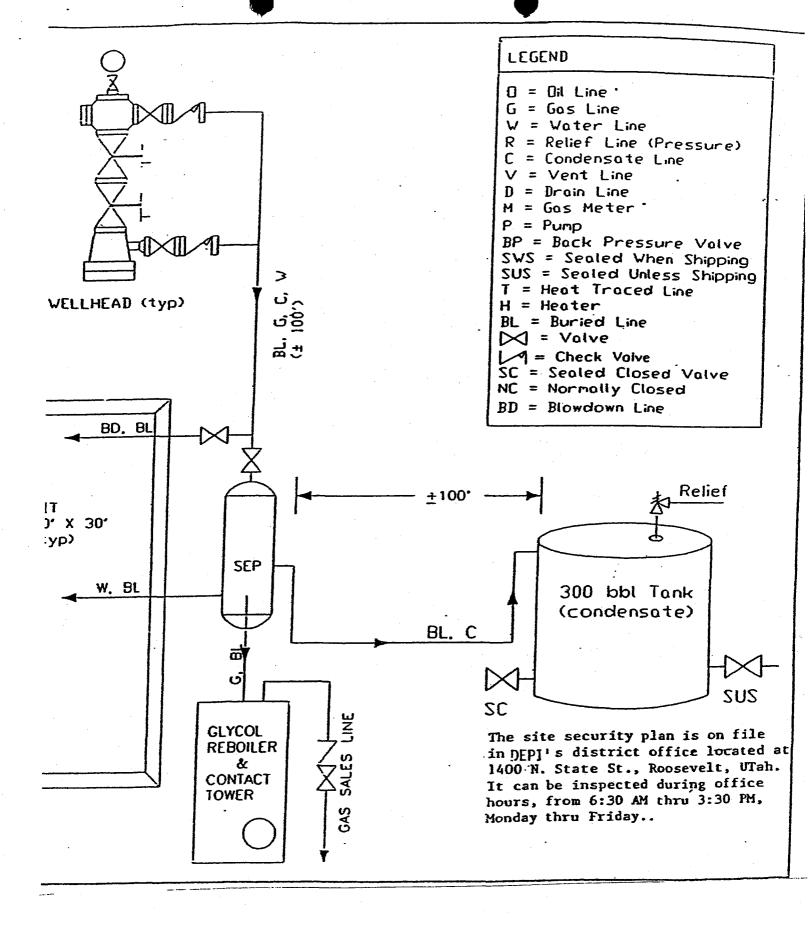




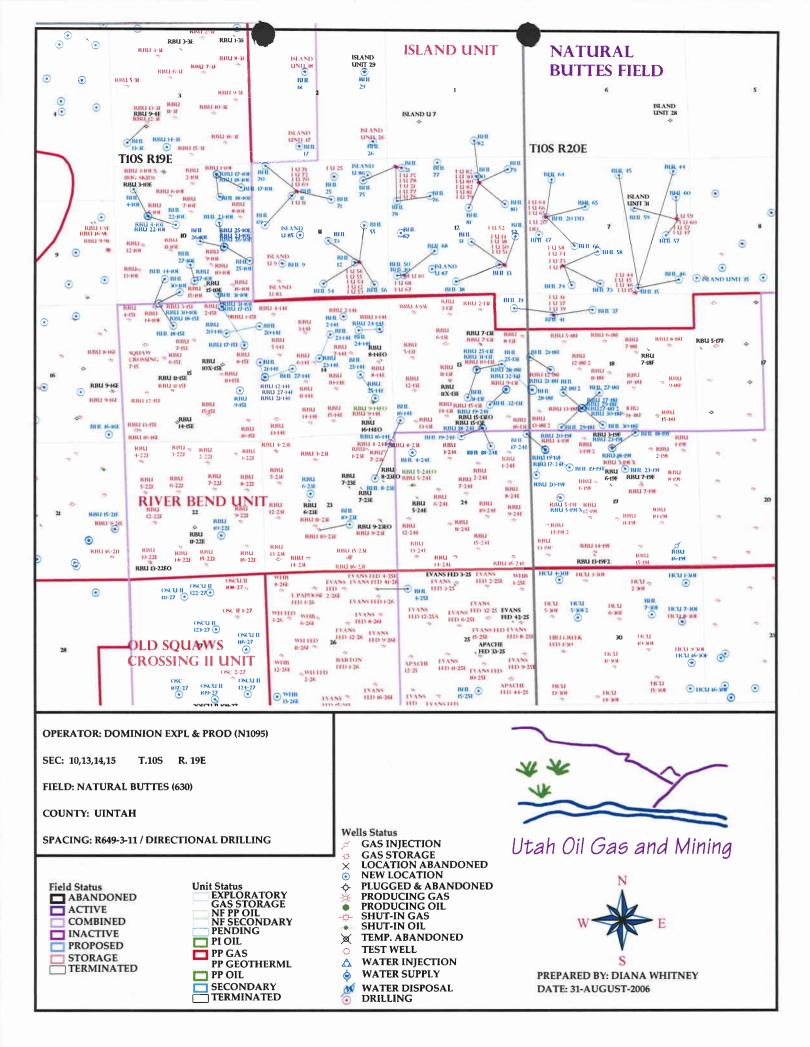
DOMINION EXPLR. & PROD., INC. RBU #22-10E SECTION 10, T10S, R19E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND A WESTERLY, THEN SOUTHWESTERLY DIRECTION PROCEED IN APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 2.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMIATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; **NORTHERLY PROCEED** IN Α AND **RIGHT** TURN APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMIATELY 0.35 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 53.25 MILES.



| APD RECEIVED: 09/05/2006 | API NO. ASSIGNED: 43-047-38588 | | | | |
|---|---|--|--|--|--|
| WELL NAME: RBU 22-10E | | | | | |
| OPERATOR: DOMINION EXPL & PROD (N1095) | PHONE NUMBER: 405-749-5263 | | | | |
| CONTACT: DON HAMILTON | | | | | |
| PROPOSED LOCATION: | INSPECT LOCATN BY: / / | | | | |
| SWNW 10 100S 190E SURFACE: 2064 FNL 1241 FWL | Tech Review Initials Date | | | | |
| BOTTOM: 2400 FNL 2300 FWL | Engineering | | | | |
| COUNTY: UINTAH | Geology | | | | |
| LATITUDE: 39.96353 LONGITUDE: -109.7734 UTM SURF EASTINGS: 604761 NORTHINGS: 4424220 | Surface | | | | |
| FIELD NAME: NATURAL BUTTES (630) | | | | | |
| LEASE TYPE: 1 - Federal LEASE NUMBER: U-035316 SURFACE OWNER: 1 - Federal | PROPOSED FORMATION: MVRD COALBED METHANE WELL? NO | | | | |
| RECEIVED AND/OR REVIEWED: | LOCATION AND SITING: | | | | |
| Plat | R649-2-3. | | | | |
| Bond: Fed[1] Ind[] Sta[] Fee[] | Unit: RIVER BEND | | | | |
| (No. WY 3322) Potash (Y/N) | R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells | | | | |
| Oil Shale 190-5 (B) or 190-3 or 190-13 | | | | | |
| Water Permit | R649-3-3. Exception | | | | |
| (No. 42 10447 | ✓ Drilling Unit | | | | |
| (No. 43-10447) | ✓ Drilling Unit | | | | |
| RDCC Review (Y/N) (Date: | Board Cause No: 259-01 | | | | |
| RDCC Review (Y/N) (Date:) | Board Cause No: 259-01 Eff Date: 8.18.04 | | | | |
| RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) | Board Cause No: 359-01 Eff Date: 8-18-06 Siting: Suppends Re49-3-11 | | | | |
| RDCC Review (Y/N) (Date:) | Board Cause No: 259-01 Eff Date: 8.18.04 | | | | |
| RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) NA Intent to Commingle (Y/N) | Board Cause No: 359-01 Eff Date: 8-18-06 Siting: Suppends Re49-3-11 | | | | |
| RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) | Board Cause No: 359-01 Eff Date: 8-18-06 Siting: Suppends Re49-3-11 | | | | |
| RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) NA Intent to Commingle (Y/N) | Board Cause No: 359-01 Eff Date: 8-18-06 Siting: Suppends Re49-3-11 | | | | |
| RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) NA Intent to Commingle (Y/N) | Board Cause No: 359-01 Eff Date: 8-18-06 Siting: Suppends Re49-3-11 | | | | |
| RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) NA Intent to Commingle (Y/N) | Board Cause No: 359-01 Eff Date: 8-18-06 Siting: Suppends Re49-3-11 | | | | |
| RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) NA Intent to Commingle (Y/N) COMMENTS: | Board Cause No: 359-01 Eff Date: 8-18-06 Siting: Suppends Re49-3-11 | | | | |
| RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) NA Intent to Commingle (Y/N) COMMENTS: | Board Cause No: 359-01 Eff Date: 8-18-06 Siting: Subpends Re49-3-11 | | | | |



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

September 19, 2006

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2006 Plan of Development River Bend Unit Uintah County,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the River Bend Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ MesaVerde)

43-047-38582 RBU 17-10E Sec 10 T10S R19E 0477 FNL 1390 FEL BHL Sec 10 T10S R19E 1000 FNL 0465 FEL

43-047-38584 RBU 27-10E Sec 10 T10S R19E 0723 FSL 2350 FEL BHL Sec 10 T10S R19E 1350 FSL 2500 FEL

43-047-38585 RBU 26-10E Sec 10 T10S R19E 1995 FSL 1184 FEL BHL Sec 10 T10S R19E 2250 FSL 2100 FEL

43-047-38586 RBU 25-10E Sec 10 T10S R19E 2013 FSL 1160 FEL BHL Sec 10 T10S R19E 1450 FSL 0200 FEL

43-047-38587 RBU 23-10E Sec 10 T10S R19E 2007 FSL 1168 FEL BHL Sec 10 T10S R19E 2350 FNL 1350 FEL

43-047-38588 RBU 22-10E Sec 10 T10S R19E 2064 FNL 1241 FWL BHL Sec 10 T10S R19E 2400 FNL 2300 FWL

43-047-38543 RBU 28-18F Sec 13 T10S R19E 1640 FSL 0901 FEL BHL Sec 18 T20S R20E 1600 FSL 0100 FWL

43-047-38544 RBU 18-24E Sec 13 T10S R19E 0143 FSL 1844 FEL

BHL Sec 24 T10S R19E 0550 FNL 1550 FEL

Page 2

- 43-047-38545 RBU 19-24E Sec 13 T10S R19E 0159 FSL 1855 FEL BHL Sec 24 T10S R19E 0150 FNL 2550 FWL
- 43-047-38546 RBU 25-13E Sec 13 T10S R19E 2418 FSL 2023 FEL BHL Sec 13 T10S R19E 2700 FNL 1050 FEL
- 43-047-38547 RBU 31-13E Sec 13 T10S R19E 2433 FSL 2036 FEL BHL Sec 13 T10S R19E 1350 FSL 2400 FEL
- 43-047-38589 RBU 21-14E Sec 14 T10S R19E 2240 FSL 0210 FWL BHL Sec 14 T10S R19E 2500 FNL 0050 FWL
- 43-047-38590 RBU 27-14E Sec 14 T10S R19E 2230 FSL 0209 FWL BHL Sec 14 T10S R19E 2550 FSL 1300 FWL
- 43-047-38592 RBU 24-14E Sec 14 T10S R19E 1257 FNL 0432 FEL BHL Sec 14 T10S R19E 1300 FNL 1250 FEL
- 43-047-38593 RBU 23-14E Sec 14 T10S R19E 2375 FNL 2360 FWL BHL Sec 14 T10S R19E 1450 FNL 2350 FEL
- 43-047-38595 RBU 31-10E Sec 15 T10S R19E 0305 FNL 1324 FEL BHL Sec 10 T10S R19E 0200 FSL 1450 FEL
- 43-047-38596 RBU 17-15E Sec 15 T10S R19E 0320 FNL 1324 FEL BHL Sec 15 T10S R19E 1350 FNL 1200 FEL
- 43-047-38597 RBU 18-15E Sec 15 T10S R19E 0125 FNL 1570 FWL BHL Sec 15 T10S R19E 1000 FNL 2100 FWL
- 43-047-38598 RBU 20-14E Sec 15 T10S R19E 1821 FNL 0532 FEL BHL Sec 14 T10S R19E 1100 FNL 0100 FWL
- 43-047-38554 RBU 21-18F Sec 18 T10S R20E 2379 FSL 0834 FWL BHL Sec 18 T10S R20E 2450 FNL 0050 FWL
- 43-047-38555 RBU 27-18F Sec 18 T10S R20E 0902 FSL 2032 FWL BHL Sec 18 T10S R20E 1500 FSL 2700 FWL
- 43-047-38556 RBU 27-18F2 Sec 18 T10S R20E 0888 FSL 2005 FWL BHL Sec 18 T10S R20E 1500 FSL 1300 FWL
- 43-047-38557 RBU 30-18F Sec 18 T10S R20E 0897 FSL 2023 FWL BHL Sec 18 T10S R20E 0250 FSL 2800 FWL
- 43-047-38558 RBU 29-18F Sec 18 T10S R20E 0884 FSL 1996 FWL BHL Sec 18 T10S R20E 0150 FSL 1200 FWL
- 43-047-28549 RBU 17-24E Sec 19 T10S R20E 0703 FNL 0546 FWL BHL Sec 24 T10S R19E 0100 FNL 0150 FEL
- 43-047-38550 RBU 18-19F Sec 19 T10S R20E 0650 FNL 3147 FWL BHL Sec 19 T10S R20E 0050 FNL 2400 FEL

Page 3

43-047-38551 RBU 19-19F Sec 19 T10S R20E 0730 FNL 0558 FWL BHL Sec 19 T10S R20E 1400 FNL 1500 FWL

43-047-38552 RBU 20-19F Sec 19 T10S R20E 0721 FNL 0554 FWL BHL Sec 19 T10S R20E 1700 FNL 0200 FWL

43-047-38553 RBU 23-19F Sec 19 T10S R20E 0654 FNL 3156 FWL BHL Sec 19 T10S R20E 1450 FNL 2850 FEL

43-047-38548 RBU 32-13E Sec 13 T10S R19E 1624 FSL 0913 FEL BHL Sec 13 T10S R19E 1050 FSL 1550 FEL

43-047-38583 RBU 18-10E Sec 10 T10S R19E 0471 FNL 1409 FEL BHL Sec 10 T10S R19E 1350 FNL 1300 FEL

43-047-38591 RBU 25-14E Sec 14 T10S R19E 1380 FSL 0721 FEL BHL Sec 14 T10S R19E 2300 FSL 1250 FEL

43-047-38594 RBU 30-10E Sec 15 T10S R19E 0123 FNL 1590 FWL BHL Sec 10 T10S R19E 0300 FSL 2400 FWL

Our records indicate the RBU 25-10E is closer than 460 feet from the River Bend Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - River Bend Unit

Division of Oil Gas and Mining



State of Utah

Department of Natural Resources

> MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

> GARY R. HERBERT Lieutenant Governor

> > September 25, 2006

Dominion Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134

Re:

RBU 22-10E Well, Surface Location 2064' FNL, 1241' FWL, SW NW, Sec. 10, T. 10 South, R. 19 East, Bottom Location 2400' FNL, 2300' FWL, SE NW, Sec. 10, T. 10 South, R. 19 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38588.

Sincerely

Gil Hunt
Associate Director

pab Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

| Operator: | ··· · · · · · · · · · · · · · · · · · | Dominion Exploration & Production, Inc. | | | | | |
|---------------------|---------------------------------------|---|--------------------|-------------------|--|--|--|
| Well Name & Number | r | RBU | | | | | |
| API Number: | | 43-047-38588 | | | | | |
| Lease: | | U-03 | 35316 | | | | |
| Surface Location: S | W NW_ | Sec10_ | T. 10 South | R. 19 East | | | |
| Bottom Location: S | ENW | Sec. 10 | T. 10 South | R. 19 East | | | |

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

*Form 3160-5 (August, 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

| FORM A | PPROVED |
|---------|-----------|
| OMB No. | 1004-0135 |

| OMB No. 1004-013 | 5 |
|-------------------------|------|
| Expires: November 30, 2 | 2000 |

SUNDRY NOTICES AND REPORTS ON WELLS

5. Lease Serial No. U-035316

| Do not use this form for proposals to | 6. If Indian, Allottee or Tribe Name | | | |
|--|--|---|---|--|
| abandoned well. Use Form 3160-3 (A | | | 7. If Unit or CA/Agreement, Name and/or No. | |
| SUBMIT IN TRIPLICATE - Other Ins | tructions on reverse stae | | g , | |
| 1. Type of Well | | | River Bend Unit | |
| Oil Well X Gas Well Other | | | 8. Well Name and No. | |
| 2. Name of Operator | | · | RBU 22-10E | |
| Dominion Exploration & Production, Inc. | | | 9. API Well No. | |
| 3a. Address Suite 600 | 3b. Phone No. (includ | e area code) | 43-047-38588 | |
| 14000 Quail Springs Parkway, OKC, OK 73134 | (405) 749-130 | 0 | 10. Field and Pool, or Exploratory Area | |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description |) | | Natural Buttes | |
| 2,064' FNL & 1,241' FWL, SW NW, Section 10-10 | S-19E | | 11. County or Parish, State | |
| 2,400' FNL & 2,300' FWL, SE NW, Section 10-10 | S-19E | | Uintah, UT | |
| 12 CHECK ADDRODUATE DOV(ES) TO DE | DICATE MATURE OF M | OTICE DEDC | ADT OR OTHER DATA | |
| 12. CHECK APPROPRIATE BOX(ES) TO IN | | | OR OTHER DATA | |
| TYPE OF SUBMISSION | TYPE | OF ACTION | | |
| X Notice of Intent Acidize | Deepen | Production (Sta | art/Resume) Water Shut-Off | |
| Altering Casing | Fracture Treat | Reclamation | Well Integrity | |
| Subsequent Report Casing Repair | New Construction | Recomplete | X Other | |
| Change Plans | Plug and Abandon | Temporarily At | Drilling Plan | |
| Final Abandonment Notice Convert to Injection | ction Plug Back | Water Disposa | 1 | |
| Attach the Bond under which the work will be performed or pr following completion of the involved operations. If the operatic testing has been completed. Final Abandonment Notices sh determined that the site is ready for final inspection.) Please find attached a new drilling plan. Pr plan shows measured depth. | on results in a multiple completion all be filed only after all requireme | or recompletion in intents, including reclavith APD sho | n a new interval, a Form 3160-4 shall be filed once amation, have been completed and the operator has | |
| 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) | | 1 | | |
| Keri Pfeifer | | Title | Associate Regulatory Specialist | |
| Signature Kluthuhan | | Date | 10/31/06 | |
| | TENEZHO) ELEHOOF | Majaring | | |
| Approved by | | Title | Date | |
| Conditions of approval, if any, are attached. Approval of this neertify that the applicant holds legal or equitable title to those which would entitle the applicant to conduct operations thereor | e rights in the subject lease | Office | | |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 United States any false, fictitious or fraudulent statements or re | | | | |

APPROVAL OF OPERATIONS

Attachment for Permit to Drill

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 22-10E

SHL: 2064' FNL & 1241' FWL Section 10-10S-19E BHL: 2400' FNL & 2300' FWL Section 10-10S-19E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

| <u>Formation</u> | <u>Depth</u> |
|-------------------|--------------|
| Wasatch Tongue | 4,590' |
| Uteland Limestone | 4,960' |
| Wasatch | 5,130' |
| Chapita Wells | 6,050' |
| Uteland Buttes | 7,340' |
| Mesaverde | 8,230' |

3. ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL, GAS OR MINERALS

| <u>Depth</u> | Type |
|--------------|--|
| 4,590' | Oil |
| 4,960' | Oil |
| 5,130' | Gas |
| 6,050' | Gas |
| 7,340' | Gas |
| 8,230' | Gas |
| | 4,590° 4,960° 5,130° 6,050° 7,340° |

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

| <u>Type</u> | <u>Size</u> | Weight | <u>Grade</u> | Conn. | <u>Top</u> | Bottom | <u>Hole</u> |
|--------------|-------------|----------|--------------|-------|------------|--------|-------------|
| Surface | 13-3/8" | 48.0 ppf | H-40 | STC | 0, | 500' | 17-1/2" |
| Intermediate | 9-5/8" | 36.0 ppf | J-55 | STC | 0, | 3,890' | 12-1/4" |
| Production | 5-1/2" | 17.0 ppf | MAV-80 | LTC | 0, | 9,165' | 7-7/8" |

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set..

All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

| 1. | Annular BOP | 1,500 psi |
|----|---|-----------|
| 2. | Ram type BOP | 3,000 psi |
| 3. | Kill line valves | 3,000 psi |
| 4. | Choke line valves and choke manifold valves | 3,000 psi |
| 5. | Chokes | 3,000 psi |
| 6. | Casing, casinghead & weld | 1,500 psi |
| 7. | Upper kelly cock and safety valve | 3,000 psi |
| 8. | Dart valve | 3,000 psi |

6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

| <u>Depths</u> | Mud Weight (ppg) | Mud System |
|-----------------|------------------|---|
| 0' - 500' | 8.4 | Air foam mist, no pressure control |
| 500' – 3,890' | 8.6 | Fresh water, rotating head and diverter |
| 3,890' – 9,165' | 8.6 | Fresh water/2% KCL/KCL mud system |

7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

DRILLING PLAN

APPROVAL OF OPERATIONS

12. CEMENT SYSTEMS

- a. Surface Cement:
 - Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl₂ and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- b. Intermediate Casing Cement:
 - Drill 12-1/4" hole to 3,890'±, run and cement 9-5/8" to surface.
 - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
 - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
 - Cement to surface not required due to surface casing set deeper than normal.

| | | | | | <u>Hole</u> | Cement |
|-------------|-------|-----------------|----------------|--------------|---------------|---------------|
| <u>Type</u> | Sacks | <u>Interval</u> | Density | <u>Yield</u> | <u>Volume</u> | <u>Volume</u> |
| Lead | 465 | 0'-3,390' | 10.5 ppg | 4.14 CFS | 1200 CF | 1,925 CF |
| Tail | 254 | 3,390'-3,890' | 15.6 ppg | 1.2 CFS | 174 CF | 304 CF |

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 4.14 cf/sack Slurry weight: 10.5 #/gal.

Water requirement: 26.07 gal/sack
Compressives (a), 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield: 1.20 cf/sack Slurry weight: 15.6 #/gal.

Pump Time: 1 hr. 5 min. @ 110 °F.

Compressives @ 110 °F: 2,500 psi after 24 hours

c. Production Casing Cement:

- Drill 7-7/8" hole to 9,165'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

| | | | | | 11010 | Comen |
|------|---------|-----------------|----------------|----------|---------------|---------------|
| Type | Sacks 5 | <u>Interval</u> | Density | Yield | <u>Volume</u> | <u>Volume</u> |
| Lead | 90 | 4,330'-4,330' | 11.5 ppg | 3.12 CFS | 139 CF. | 277 CF |
| Tail | 800 | 5,130'-9,165' | 13.0 ppg | 1.75 CFS | 699 CF | 1398 CF |

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch + 15%.

Hale

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.

Water requirement: 17.71 gal/sack Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.

Water requirement: 9.09 gal/sack Compressives @ 165°F: 905 psi after 24 hours

13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: May 1, 2007

Duration: 14 Days

Form 3160-3 (February 2005)

RECEIVED

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

| UNITED STATES | | /11/186 | | | |
|---|--|-------------------------------------|--|-------------------|--|
| DEPARTMENT OF THE I | | 5. | Lease Serial No. U-035316 | | |
| BUREAU OF LAND MAN | | 6. | If Indian, Allotee or Tribe | Name | |
| APPLICATION FOR PERMIT TO | DRILL OR REENTER | | N/A | | |
| la. Type of work: DRILL REENTE | P | 7 1 | If Unit or CA Agreement, N | ame and No. | |
| 1a. Type of work. | | River Bend Unit | ······································ | | |
| lb. Type of Well: Oil Well | ole Zone 8. | Lease Name and Well No. RBU 22-10E | | | |
| | | | | | |
| 2 Name of Operator Dominion Exploration & Production, In | 4 | 9. API Well No. 43. 1/47, 28588 | | | |
| | 3b. Phone No. (include area code) | 10. 1 | Field and Pool, or Explorato | ry | |
| Oklahoma City, OK 73134 | 405-749-5263 | | Natural Buttes | | |
| 4. Location of Well (Report location clearly and in accordance with any | | 11. 8 | Sec., T. R. M. or Blk. and Su | rvey or Area | |
| At surface 2,064' FNL & 1,241' FWL, SW/4 N | W/4, | | Section 10, T10S, R19 | F SIRAM | |
| At proposed prod. zone 2,400' FNL & 2,300' FWL, SE/4 NV | V/4 , | | Section 10, 1103, KI | E, SEIDENI | |
| 14. Distance in miles and direction from nearest town or post office* | | 12. | County or Parish | 13. State | |
| 10.03 miles southwest of Ouray, Utah | | | Uintah | UT | |
| 15. Distance from proposed* | 16. No. of acres in lease | 17. Spacing Unit | cing Unit dedicated to this well | | |
| location to nearest property or lease line, ft. | 362.27 acres | 20 acres | | | |
| (Also to hearest targ. tant file, it tary) | 19. Proposed Depth | | M/BIA Bond No. on file | | |
| 18. Distance from proposed location* to nearest well, drilling, completed, | | 1 | ong two on the | | |
| applied for, on this lease, ft. | 8,875' TVD (9,165' MD) | WY 3322 | 3322 | | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) | 22 Approximate date work will sta | rt* 23. | 23. Estimated duration | | |
| 5,002' GR | 05/01/2007 | | 14 days | | |
| | 24. Attachments | | | | |
| The following, completed in accordance with the requirements of Onshor | e Oil and Gas Order No.1, must be a | ttached to this forn | a: | | |
| Well plat certified by a registered surveyor. | 4. Bond to cover t | he operations unl | less covered by an existing | bond on file (see | |
| 2. A Drilling Plan. | Item 20 above). | • | , | | |
| 3. A Surface Use Plan (if the location is on National Forest System | Lands, the 5. Operator certific | | ion and/or plans as may be | required by the | |
| SUPO must be filed with the appropriate Forest Service Office). | BLM. | specific informati | on and/or plans as may oc | required by the | |
| 25. Signature | Name (Printed/Typed) | | Date | | |
| Don Namilton | Don Hamilton | | 08/ | 31/2006 | |
| Title Agent for Dominion | | | | | |
| Approved by (Signature) | Name (Printed/Typed) | | Date | | |
| day house | Jerry Ker | UCKA | 13- | 2006-22 | |
| Title // Assistant Field Manager | Office | mal fie | LD OFFICE | | |
| Application approval does not warrant or certify that the applicant hold | s legal or equitable title to those righ | ts in the subject le | ase which would entitle the | applicant to | |
| conduct operations thereon. Conditions of approval, if any, are attached. | | | | | |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a co | rime for any nerson knowingly and | willfully to make to | o any department or agency | of the United | |
| States any false, fictitious or fraudulent statements or representations as | to any matter within its jurisdiction. | to make t | , any apparament or agoney | | |

*(Instructions on page 2)

CONDITIONS OF APPROVAL AT ECHEZ OF APPROVAL

JAN 1 6 2007

ORIGINAL

CONFIDENTIAL

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL FIELD OFFICE VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Dominion Exploration & Production Location: SWNW, Sec 10, T10S, R19E

Well No: RBU 22-10E Lease No: UTU-035316
API No: 43-047-38588 Agreement: River Bend Unit

Office: 435-781-4490 Cell: 435-828-4470 Matt Baker Petroleum Engineer: Office: 435-781-4432 Cell: 435-828-7875 Petroleum Engineer: Michael Lee Office: 435-781-4470 James Ashlev Petroleum Engineer: Office: 435-781-4502 Cell: 435-828-3913 Supervisory Petroleum Technician: Jamie Sparger Cell: 435-828-4029 Office: 435-781-4475 **Environmental Scientist:** Paul Buhler Office: 435-781-4484 **Environmental Scientist:** Karl Wright Office: 435-781-4404 Natural Resource Specialist: Holly Villa Melissa Hawk Office: 435-781-4476 Natural Resource Specialist: Office: 435-781-4486 Natural Resource Specialist: Chuck MacDonald Office: 435-781-4437 Natural Resource Specialist: Scott Ackerman After hours contact number: (435) 781-4513 FAX: (435) 781-4410

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

| (Notify Karl Wright) | Forty-Eight (48) hours prior to construction of location and access roads |
|----------------------|---|
| | |

Location Completion
(Notify Karl Wright)

- Prior to moving on the drilling rig.

Spud Notice
(Notify PE) - Twenty-Four (24) hours prior to spudding the well.

Casing String & Cementing
(Notify Jamie Sparger SPT)

Twenty-Four (24) hours prior to running casing and cementing all casing strings.

BOP & Related Equipment Tests
(Notify Jamie Sparger SPT)

- Twenty-Four (24) hours prior to initiating pressure tests.

First Production Notice
(Notify PE)

Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 6 Well: RBU 22-10E 12/21/2006

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs.

- For well RBU 20-14E, the operator agrees to coordinate with Questar where the pipeline will cross the Questar pipeline. Dominion will bury under the Questar pipeline or ramp over the line as agreed upon.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods.

The interim seed mix for reclamation will be:

Hy-crest Crested Wheat grass Agropyron cristatum 4 lbs per acre Indian rice grass Orazopsis hymenoides Needle and Thread grass Stipa comata 4 lbs per acre 4 lbs per acre

- If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

Page 3 of 6 Well: RBU 22-10E 12/21/2006

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.
- The top of the production casing cement shall extend a minimum of 200 feet above the intermediate casing shoe.
- Variance granted:
- Eighty foot long blooie line approved

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

Page 4 of 6 Well: RBU 22-10E 12/21/2006

- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
- All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- The lessee/operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) shall the BLM need to obtain additional information.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- No location will be constructed or moved, no well will be plugged, and no drilling or
 workover equipment will be removed from a well to be placed in a suspended status
 without prior approval of the BLM, Vernal Field Office. If operations are to be suspended
 for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained
 and notification given before resumption of operations.
- Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field
 Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers
 until the well is completed.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the
 written report requirement. Any additional construction, reconstruction, or alterations of
 facilities, including roads, gathering lines, batteries, etc., which will result in the
 disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore
 Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field
 Office.
- In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30

Page 5 of 6 Well: RBU 22-10E 12/21/2006

days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office
 Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports will be
 submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the
 API standards for liquid hydrocarbons and the AGA standards for natural gas
 measurement.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - o Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and / or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.

Page 6 of 6 Well: RBU 22-10E 12/21/2006

All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days.
 "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

RECEIVED SEP 1 U 2007

STATE OF UTAH ,
DEPARTMENT OF NATURAL RESOURCES

FORM 9

| DEPARTMENT OF NATURAL RESOURCES | THE OF OH CAS & MINING | | | |
|--|---|--|--|--|
| DIVISION OF OIL, GÁS AND MINING | D:V. OF OIL, GAS & MINING | U-035316 | | |
| SUNDRY NOTICES AND REPORTS ON V | WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | |
| the state of the s | and depth register already wells, or to | 7. UNIT or CA AGREEMENT NAME: | | |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom- drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such | proposals. | River Bend Unit | | |
| 1. TYPE OF WELL OIL WELL GAS WELL OTHER | | 8. WELL NAME and NUMBER: RBU 22-10E | | |
| 2. NAME OF OPERATOR: | | 9. API NUMBER: | | |
| XTO Energy | | 4304738588 | | |
| 3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066 | PHONE NUMBER: (435) 722-4521 | 10. FIELD AND POOL, OR WILDCAT: Natural Buttes | | |
| 4. LOCATION OF WELL | | <u> </u> | | |
| FOOTAGES AT SURFACE: 2,064' FNL & 1,241' FWL | | COUNTY: Uintah | | |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN MESE 10 10S 19E S | | STATE: UTAH | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NAT | URE OF NOTICE, REPO | RT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
| NOTICE OF INTENT | EPEN | REPERFORATE CURRENT FORMATION | | |
| | ACTURE TREAT | SIDETRACK TO REPAIR WELL | | |
| | WCONSTRUCTION | TEMPORARILY ABANDON | | |
| | ERATOR CHANGE | TUBING REPAIR | | |
| | JG AND ABANDON | VENT OR FLARE | | |
| (Submit Original Form Only) | UG BACK | WATER DISPOSAL | | |
| Date of work completion: | ODUCTION (START/RESUME) | WATER SHUT-OFF | | |
| | CLAMATION OF WELL SITE | ✓ other: Permit Extension | | |
| CONVERT WELL TYPE | COMPLETE - DIFFERENT FORMATION | | | |
| DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent do XTO Energy, hereby requests a one year extension of the state per This is the first extension that has been requested. | | | | |
| Approved by the Utah Division o Oil, Gas and Mini | T . | | | |
| Date: 10-02- | TITO TO THE PARTY OF THE PARTY | 10-3-07 RM | | |
| NAME (PLEASE PRINT) Marnie Griffin | TITLE Agent for XTO E | ≣nergy | | |
| $\mathcal{W}_{\mathcal{I}}$ | DATE 9/7/2007 | | | |
| SIGNATURE | | | | |
| (This space for State use only) | | | | |

RECEIVED SEP 1 U 2007

D:V. OF OIL, GAS & MINING Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

| Well Name: RBU 22-10E Location: 10-10S-19E 2,064' FNL & 1,241' FWL Company Permit Issued to: XTO Energy Date Original Permit Issued: 9/25/2006 |
|---|
| The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. |
| Following is a checklist of some items related to the application, which should be verified. |
| If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes □ No ☑ |
| Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□ No ☑ |
| Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑ |
| Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑ |
| Has the approved source of water for drilling changed? Yes□ No☑ |
| Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑ |
| Is bonding still in place, which covers this proposed well? Yes ☑ No ☐ |
| 9/7/2007 |
| Signature Date |
| Title: Agent |
| Representing: XTO Energy |

Division of Oil, Gas and Mining

1. DJJ 2. CDW

OPERATOR CHANGE WORKSHEET

X - Change of Operator (Well Sold) Operator Name Change/Merger

| The operator of the well(s) listed below has chan | 7/1/2007 | | | | | | | | |
|--|----------|-----------|---|----------------------|----------------|---------------------------------------|----------|----------|--|
| FROM: (Old Operator): | | | | TO: (New O | perator): | · · · · · · · · · · · · · · · · · · · | | | |
| N1095-Dominion Exploration & Production, Inc | | | | N2615-XTO Energy Inc | | | | | |
| 14000 Quail Springs Parkway, Suite 600 | | | | | uston St | | | | |
| Oklahoma City, OK 73134 | | | | | orth, TX 76 | 5102 | | | |
| Phone: 1 (405) 749-1300 | | | | Phone: 1 (817) | 870-2800 | | | | |
| CA No. | | . : | - 1 | Unit: | | RIVER BEND | | | |
| WELL NAME | SEC | TWN | RNG | API NO | ENTITY | LEASE TYPE | WELL | WELL | |
| | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | NO | | TYPE | STATUS | |
| SEE ATTACHED LIST | | | | | | <u> </u> | | | |
| OPERATOR CHANGES DOCUMENT | A TT | ΟN | | | | | | | |
| Enter date after each listed item is completed | A.I.I. | ON | | | | | | | |
| 1. (R649-8-10) Sundry or legal documentation wa | s rec | eived fi | rom the | FORMER one | rator on | 8/6/2007 | | | |
| 2. (R649-8-10) Sundry or legal documentation wa | | | | | | 8/6/2007 | | | |
| 3. The new company was checked on the Depart | | | | - | | | | 8/6/2007 | |
| 4a. Is the new operator registered in the State of U | | or Cor | imitel ce | Business Numb | - | 5655506-0143 | | 8/0/2007 | |
| | | | · | · Dusiness Nume | er. | 3033300-0143 | | | |
| 4b. If NO, the operator was contacted contacted of | | | | DIDI ACE | | | | | |
| 5a. (R649-9-2)Waste Management Plan has been re | | | | IN PLACE | | | | | |
| 5b. Inspections of LA PA state/fee well sites comp | | | | n/a | • | | | | |
| 5c. Reports current for Production/Disposition & S | | | | ok | - | | | | |
| 6. Federal and Indian Lease Wells: The BL | | | | | merger, na | me change, | | | |
| or operator change for all wells listed on Federa | al or | Indian 1 | leases o | n: | BLM | - | BIA | | |
| 7. Federal and Indian Units: | | | | | | | | | |
| The BLM or BIA has approved the successor | | _ | | | | | | | |
| 8. Federal and Indian Communization Ag | | | | | | • | | | |
| The BLM or BIA has approved the operator is | | | | | 4 | | | | |
| 9. Underground Injection Control ("UIC" | • | | | | | orm 5, Transfer | of Autho | ority to | |
| Inject, for the enhanced/secondary recovery un | it/pro | ject for | r the wa | iter disposal wel | l(s) listed o | n: | | | |
| DATA ENTRY: | | | | 0.49.54.00.0 | | | | | |
| 1. Changes entered in the Oil and Gas Database | | CI | · · · · · · | 9/27/2007 | | 0/07/0007 | | | |
| Changes have been entered on the Monthly Op Bond information entered in RBDMS on: | erat | or Cna | inge Sp | 9/27/2007 | | 9/27/2007 | | | |
| Fee/State wells attached to bond in RBDMS on | • | | | 9/27/2007 | • | | | | |
| 5. Injection Projects to new operator in RBDMS of | | | | 9/27/2007 | • | | | | |
| 6. Receipt of Acceptance of Drilling Procedures f | | D/Nev | v on: | | 9/27/2007 | | | | |
| BOND VERIFICATION: | | | | | | • | | | |
| 1. Federal well(s) covered by Bond Number: | | | | UTB000138 | | | | | |
| 2. Indian well(s) covered by Bond Number: | | | | n/a | • | | | | |
| 3a. (R649-3-1) The NEW operator of any state/fe | e wel | l(s) list | ted cove | ered by Bond Nu | ımber | 104312762 | | | |
| 3b. The FORMER operator has requested a releas | e of l | iability | from th | neir bond on: | 1/23/2008 | | | | |
| The Division sent response by letter on: | | | | | | | | | |
| LEASE INTEREST OWNER NOTIFIC | AT | ON: | | | | | | | |
| 4. (R649-2-10) The NEW operator of the fee wells | | | | | y a letter fro | om the Division | | | |
| of their responsibility to notify all interest owner | rs of | this cha | inge on | • | | | | | |
| COMMENTS: | | | | | | | | | |

STATE OF UTAH

| DI | 5. LEASE DESIGNATION AND SERIAL NUMBER: | | | |
|--|---|--|---------------------------------|---------------------------------------|
| SUNDRY N | IOTICES AND REPORT | S ON WEL | LS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| Do not use this form for proposals to drill new v | vells, significantly deepen existing wells below cur is. Use APPLICATION FOR PERMIT TO DRILL t | rrent bottom-hole dept form for such proposal | h, reenter plugged wells, or to | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL OIL WELL | GAS WELL 7 OTHER | | | 8. WELL NAME and NUMBER: |
| | GAS WELL V OTHER_ | | | SEE ATTACHED |
| 2. NAME OF OPERATOR: | 11011 | | | 9. API NUMBER: |
| XTO Energy Inc. | N2615 | | | SEE ATTACHED |
| 3. ADDRESS OF OPERATOR: 810 Hous | | | PHONE NUMBER: | 10. FIELD AND POOL, OR WILDCAT: |
| 4. LOCATION OF WELL | Ort Worth STATE TX ZIP | 76102 | (817) 870-2800 | Natural Buttes |
| FOOTAGES AT SURFACE: SEE ATT | ACHED | | | соимту: Uintah |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, | MERIDIAN: | | | STATE: UTAH |
| 11 CHECK APPRO | DDIATE DOVES TO INDICAT | E NATURE (| DE NOTICE DEDO | |
| | PRIATE BOXES TO INDICAT | E NATURE (| OF NOTICE, REPOR | KI, OR OTHER DATA |
| TYPE OF SUBMISSION | | TY | PE OF ACTION | |
| NOTICE OF INTENT | ACIDIZE | DEEPEN | | REPERFORATE CURRENT FORMATION |
| (Submit in Duplicate) | ALTER CASING | FRACTURE | TREAT | SIDETRACK TO REPAIR WELL |
| Approximate date work will start: | CASING REPAIR | NEW CONST | RUCTION | TEMPORARILY ABANDON |
| I | CHANGE TO PREVIOUS PLANS | OPERATOR | CHANGE | TUBING REPAIR |
| | CHANGE TUBING | PLUG AND A | | |
| SUBSEQUENT REPORT | CHANGE WELL NAME | | BANDON | VENT OR FLARE |
| (Submit Original Form Only) | - - | ☐ PLUG BACK | | WATER DISPOSAL |
| Date of work completion: | CHANGE WELL STATUS | PRODUCTIO | N (START/RESUME) | WATER SHUT-OFF |
| <u> </u> _ | COMMINGLE PRODUCING FORMATIONS | RECLAMATION | ON OF WELL SITE | OTHER: |
| | CONVERT WELL TYPE | RECOMPLET | E - DIFFERENT FORMATION | |
| 12. DESCRIBE PROPOSED OR COMP | LETED OPERATIONS. Clearly show all p | ertinent details incl | uding dates depths volume | s etc |
| | O Energy Inc. has purchased t | | | |
| 2.100avo daly 1, 2007, X | 5 Energy inc. has parenased | nie wens nste | u on the attachment | irom: |
| Dominion Exploration & Pr 14000 Quail Springs Park Oklahoma City, OK 73134 | way, Suite 600 🖊 🖊 🗸 | 5 | | |
| Sr. Vice President, General Please be advised that XI under the terms and cond | al Manager - Western Busines O Energy Inc. is considered to itions of the lease for the open BLM Bond #104312750 and I | ss Unit o be the opera ations conduc | ted upon the lease I | ands. Bond coverage |
| NAME (PLEASE PRINT) Edwin S. Rya | | TITLE | · | t - Land Administration |
| This space for State use only) | 0.00.00 | | | RECEIVED |
| APPROVED | 7 12/10/ | | | |
| En love Riv | 9127107 | | | AUG 0 6 2007 |

(5/2000)

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

| 1 | 1 | | | | |
|---|---|---|--|---------------------------------------|-------------|
| Well name: | SEE ATTACH | HED LIST | | | |
| API number: | | | | | |
| Location: | Qtr-Qtr: | Section: | Township Range | | |
| Company that filed original application: | DOMINION E | &P | | | |
| Date original permit was issued: | | | | | |
| Company that permit was issued to: | DOMINION | E&P | | | |
| Check | | | | · · · · · · · · · · · · · · · · · · · | |
| one | | ired Action: | | | |
| | | | | | |
| Transfer pending (unapproved) App | | | | | |
| The undersigned as owner with legal r submitted in the pending Application for owner of the application accepts and a | or Permit to Dril | l, remains valid ar | nd does not require revision. The | new | |
| √ Transfer approved Application for P | ermit to Drill t | o new operator | | | |
| The undersigned as owner with legal r information as submitted in the previous revision. | | | | ге | |
| Following is a checklist of some items rel | ated to the ap | plication, which s | should be verified. | Yes | No |
| If located on private land, has the ownership | changed? | | | | 1 |
| If so, has the surface agreement been | updated? | | aliga an miningran indigityal miningrapi sakali aka dan dan dan dan dan dan dan dan dan da | | |
| Have any wells been drilled in the vicinity of t | he proposed w | ell which would af | fect the spacing or siting | | 1 |
| requirements for this location? | | cii willon wodia ai | | | ✓ |
| requirements for this location? Have there been any unit or other agreemen proposed well? | | | | | √ |
| Have there been any unit or other agreemen | ts put in place t | hat could affect th | e permitting or operation of this | | |
| Have there been any unit or other agreemen proposed well? Have there been any changes to the access | ts put in place t | hat could affect th | e permitting or operation of this | | |
| Have there been any unit or other agreemen proposed well? Have there been any changes to the access proposed location? | ts put in place to route including changed? | hat could affect th ownership or righ | e permitting or operation of this t-of-way, which could affect the | | ✓ ✓ |
| Have there been any unit or other agreement proposed well? Have there been any changes to the access proposed location? Has the approved source of water for drilling. Have there been any physical changes to the plans from what was discussed at the onsite. | ts put in place to route including changed? e surface location evaluation? | that could affect th ownership or righ on or access route | e permitting or operation of this t-of-way, which could affect the which will require a change in | ✓ | ✓ ✓ |
| Have there been any unit or other agreement proposed well? Have there been any changes to the access proposed location? Has the approved source of water for drilling. Have there been any physical changes to the | route including changed? e surface location evaluation? posed well? Be a pending or apport amended Ap | ownership or right on or access route ond No. 1043127 | e permitting or operation of this t-of-way, which could affect the which will require a change in for Permit to Drill that is being to | √ ransfer with | √ √ √ |
| Have there been any unit or other agreement proposed well? Have there been any changes to the access proposed location? Has the approved source of water for drilling Have there been any physical changes to the plans from what was discussed at the onsite Is bonding still in place, which covers this proposed for the plans from a Sundry Notice, Form 9, 6 | route including changed? e surface location evaluation? posed well? Be a pending or apport amended Ap | ownership or right on or access route ond No. 1043127 oproved Application plication for Permi | e permitting or operation of this t-of-way, which could affect the which will require a change in for Permit to Drill that is being to | √ ransfer with | √ √ √ |
| Have there been any unit or other agreement proposed well? Have there been any changes to the access proposed location? Has the approved source of water for drilling Have there been any physical changes to the plans from what was discussed at the onsite. Is bonding still in place, which covers this proposed for necessary changes to either a should be filed on a Sundry Notice, Form 9, onecessary supporting information as required. | route including changed? e surface location evaluation? posed well? Be a pending or apport amended Ap | ownership or right on or access route ond No. 1043127 oproved Application plication for Permi | e permitting or operation of this t-of-way, which could affect the which will require a change in for Permit to Drill that is being to to Drill, Form 3, as appropriate, | √ ransfer with | √ √ √ |

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004) AUG 3 0 2007

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

| api | well_name | qtr_qtr | sec | twp | rng | lease_num | entity | Lease | well | stat |
|------------|------------|---------|-----|------|------|------------|--------|---------|-------------|-------------|
| 4304736202 | RBU 2-20E | NWNE | 20 | 100S | 190E | U-03505 | | Federal | GW | APD |
| 4304736203 | RBU 15-20E | SWSE | 20 | 100S | 190E | U-03505 | | Federal | GW | APD |
| 4304736204 | RBU 10-20E | NWSE | 20 | 100S | 190E | U-03505 | | Federal | GW | APD |
| 4304736205 | RBU 14-21E | SESW | 21 | 100S | 190E | U-013766 | | Federal | GW | APD |
| 4304736295 | RBU 10-21E | NWSE | 21 | 100S | 190E | U-013766 | | Federal | GW | APD |
| 4304736426 | RBU 7-9E | NWSE | 09 | 100S | 190E | U-03505 | | Federal | GW | APD |
| 4304736430 | RBU 16-20E | SESE | 20 | 100S | 190E | U-03505 | | Federal | GW | APD |
| 4304736431 | RBU 13-21E | SESE | 20 | 100S | 190E | U-013766 | | Federal | GW | APD |
| 4304736606 | RBU 14-11F | SESW | 11 | 100S | 200E | U-7206 | | Federal | GW | APD |
| 4304737032 | RBU 1-4E | NENE | 04 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304737423 | RBU 2-21F | SWSE | 16 | 100S | 200E | U-013793-A | | Federal | OW | APD |
| 4304737569 | RBU 14-15F | SESW | 15 | 100S | 200E | U-7206 | | Federal | OW | APD |
| 4304737648 | RBU 6-4E | SWNE | 04 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304737649 | RBU 12-17E | NWSW | 17 | 100S | 190E | U-03505 | | Federal | GW | APD |
| 4304737650 | RBU 13-17E | SWSW | 17 | 100S | 190E | U-03505 | | Federal | GW | APD |
| 4304737651 | RBU 6-23E | SENW | 23 | 100S | 190E | U-013766 | | Federal | GW | APD |
| 4304737652 | RBU 7-16F | SWNE | 16 | 100S | 200E | U-7206 | | Federal | GW | APD |
| 4304737748 | RBU 14-16F | SWSE | 16 | 100S | 200E | U-7206 | | Federal | GW | APD |
| 4304738341 | RBU 15-21E | SWSE | 21 | 100S | 190E | U 013766 | | Federal | GW | APD |
| 4304738544 | RBU 18-24E | SWSE | 13 | 100S | 190E | U 013794 | | Federal | GW | APD |
| 4304738545 | RBU 19-24E | SWSE | 13 | 100S | 190E | U 013794 | | Federal | GW | APD |
| 4304738546 | RBU 25-13E | NWSE | 13 | 100S | 190E | U-013765 | | Federal | GW | APD |
| 4304738547 | RBU 31-13E | NWSE | 13 | 100S | 190E | U-013765 | | Federal | GW | APD |
| 4304738549 | RBU 17-24E | NWNW | 19 | 100S | 200E | U-013794 | | Federal | GW | APD |
| 4304738550 | RBU 18-19F | NENW | 19 | 100S | 200E | U 013769-A | | Federal | GW | APD |
| 4304738551 | RBU 19-19F | NWNW | 19 | 100S | 200E | U 013769-A | | Federal | GW | APD |
| 4304738552 | RBU 20-19F | NWNW | 19 | 100S | 200E | U 013769-A | | Federal | GW | APD |
| 4304738553 | RBU 23-19F | NENW | 19 | 100S | 200E | U013769-A | | Federal | GW | APD |
| 4304738554 | RBU 21-18F | NWSW | 18 | 100S | 200E | U013769-A | | Federal | GW | APD |
| 4304738582 | RBU 17-10E | NWNE | 10 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304738583 | RBU 18-10E | NWNE | 10 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304738584 | RBU 27-10E | SWSE | 10 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304738585 | RBU 26-10E | NESE | 10 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304738586 | RBU 25-10E | NESE | 10 | + | | U-013792 | | Federal | GW | APD |
| 4304738587 | RBU 23-10E | NESE | 10 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304738588 | RBU 22-10E | SWNW | 10 | 100S | 190E | U-035316 | | Federal | GW | APD |
| 4304738589 | RBU 21-14E | NWSW | 14 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304738590 | RBU 27-14E | NWSW | 14 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304738591 | RBU 25-14E | NESE | 14 | 100S | 190E | U-013792 | | Federal | GW | APD |
| 4304738592 | RBU 24-14E | NENE | 14 | | | U-013792 | | Federal | GW | APD |
| 4304738593 | RBU 23-14E | SENW | 14 | | | U-013792 | | Federal | | |
| 4304738594 | RBU 30-10E | NENW | 15 | | | U-013792 | | Federal | + | |
| 4304738597 | RBU 18-15E | NENW | 15 | 1 | | U-013766 | | Federal | | |
| 4304738598 | RBU 20-14E | SENE | 15 | | | U-013792 | | Federal | | |



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155



1060

IN REPLY REFER TO 3180 UT-922

Dominion Exploration & Production, Inc. Attn: James D. Abercrombie 14000 Quail Springs Parkway, #600 Oklahoma City, OK 73134-2600

August 10, 2007

Re:

River Bend Unit Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED
AUG 1 6 2007
DIV. OF OIL, GAS & MINING

Form 3160-5 (February 2005)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS

| FORM APPROVED |
|-------------------------|
| OM B No. 1004-0137 |
| Expires: March 31, 2007 |

| 5. | Lease Serial No. | |
|----|------------------|--|
| | U-035316 | |

| 6. | If Indian, Allottee or | Tribe Name |
|----|------------------------|------------|
| | | |

| abandoned we | ell. Use Form 3160 - 3 (A | APD) for such pro | posals. | N/A |
|---|---|--|---------------------------|--|
| SUBMIT IN TR | PLICATE- Other instr | ructions on rever | rse side. | 7. If Unit or CA/Agreement, Name and/or No. |
| 1. Type of Well Oil Well | Gas Well Other | | | River Bend Unit |
| 2. Name of Operator XTO Energy | | | | 8. Well Name and No. RBU 22-10E |
| | , Inc. | _ | ···· | 9. API Well No. |
| 3a Address PO Box 1360; 978 North Cresc | ent, Roosevelt, UT 84066 | 3b. Phone No. (include 435-722-4521 | e area code) | 4304738588 10. Field and Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., | T., R., M., or Survey Description) | • | | Natural Buttes |
| 2,064' FNL & 1,241' FWL, SV | V/4 NW/4, Section 10, T10S, F | R19E, SLB&M | | 11. County or Parish, State |
| | | | | Uintah County, Utah |
| 12. CHECK A | PROPRIATE BOX(ES) TO | INDICATE NATUR | E OF NOTICE, R | EPORT, OR OTHER DATA |
| TYPE OF SUBMISSION | | TYI | PE OF ACTION | |
| Notice of Intent | Acidize Alter Casing Casing Repair | Deepen Fracture Treat | Production (Standardion | Water Shut-Off Well Integrity Other Permit Extension |
| Subsequent Report | Change Plans | New Construction Plug and Abandon | Recomplete Temporarily Al | |
| Final Abandonment Notice | Convert to Injection | Plug Back | Water Disposal | |
| ATO Energy hereby reque | for final inspection.) | e federal permit for th | e referenced well tha | nation, have been completed, and the operator has at expires on 12-22-07. f Dominion Exploration & Production. Inc. |
| 14. I hereby certify that the fore Name (Printed/Typed) Don Hamilton | going is true and correct | Title A | gent for XTO Energ | gy, Inc. |
| Signature Don | Hamilton | Date | 10-10-200 | 7 |
| | THIS SPACE FOR I | FEDERAL OR S | TATE OFFICE | USE |
| Approved by Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant Title 18 U.S.C. Section 1001 and Title 18 | or equitable title to those rights in conduct operations thereon. 43 U.S.C. Section 1212, make it a | does not warrant or n the subject lease Crime for any person kn | | ginee pate OCT 22 2007 |

(Instructions on page 2)

RECEIVED

NOV 07 2007

CONDITIONS OF APPROVAL ATTACHED



CONDITIONS OF APPROVAL

XTO Energy, Inc.

Notice of Intent APD Extension

Lease:

UTU-035316

Well:

RBU 22-10E

Location:

SWNW Sec 10-T10S-R19E

An extension for the referenced APD is granted with the following conditions:

- 1. The extension and APD shall expire on 12/22/08.
- 2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430

* Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

Action Is Necessary

5. Lease Serial No.

| TT | Λ | 2 | _ | 2 |
|----|---|----|---|---|
| | u | ٠, | ~ | |

SUNDRY NOTICES AND REPORTS ON WELLS

| Do not use this form for abandoned well. Use For | | | | | | ttee or Tribe Name |
|---|------------------------|---------|--------------------|--------------|-----------------------------|---|
| SUBMIT IN TRIPLICA | TE - Other instruction | ns on p | age 2 | | 7. If Unit or CA/ | 'Agreement, Name and/or No |
| 1. Type of Well Oil Well X Gas Well Other 2. Name of Operator | | | | | 8. Well Name an RBU #22-10E | |
| XTO Energy Inc. | | | • | | 9. API Well No. | |
| 3a. Address | | 3b. Pho | ne No. (include ai | rea code) | 43-047-3858 | 8 |
| 382 CR 3100 Aztec, NM 87410 | 1 | 5 | 05-333-3100 | | 10. Field and Po | ool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey | - ' | | | | NATURAL BUT | res |
| SHL: 2064' FNL & 1241' FWL SWNW S | 3EC 10-T10S-R19E | | | | 11. County or P | arish, State |
| BHL: 2400' FNL & 2300' FWL SENW S | SEC 10-T10S-R19E | | | | UINTAH | UT |
| 12. CHECK APPROPRIAT | E BOX(ES) TO IND | ICATE | NATURE OF 1 | NOTICE, REP | ORT, OR OTHER | DATA |
| TYPE OF SUBMISSION | | | TY | PE OF ACTION | | |
| X Notice of Intent | Acidize | | Deepen | Production | on (Start/Resume) | Water Shut-Off |
| | Alter Casing | | Fracture Treat | Reclamat | ion | Well Integrity |
| Subsequent Report | Casing Repair | | New Construction | Recompl | ete | Other |
| Final Abandonment Notice | X Change Plans | | Plug and Abandon | Tempora | rily Abandon | |
| | Convert to Injection | n 🔲 | Plug Back | Water Di | sposal | |
| XTO Energy Inc. would like to mal | ke changes to the | e dril | ling program | per the at | tached proced | ture. |
| | | | | | RE | CEIVED |
| COPY SENT TO OPERATOR | | | | | SEI | 2 2 2008 |
| Date: 10.14.2008 | | | | | DIV. OF O | L, GAS & MINING |
| Initials: KS | | | | | | |
| 14. I hereby certify that the foregoing is true and correct | | | | | | |
| Name (Printed Typed) LORRI D. BINCHAM | | Tit | le present | ATORY COMPL | דאאייה יויצייי | |
| Signature Signature | (m) | Da | | | TIME TEXT | |
| THI | IS SPACE FOR FED | ERAL | | | | |
| Approved by | | | Title Det | Eny. | Dat | 10/7/08 |
| Conditions of approval, if any, are attached. Approval of this no the applicant holds legal or equitable title to those rights in the st entitle the applicant to conduct operations thereon. | | fy that | Office DOG v | √ | Feder Act | al Approval Of This ion Is Necessary |

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

entitle the applicant to conduct operations thereon.

XTO ENERGY INC.

RBU 22-10E APD Data **September 16, 2008**

County: Uintah Location: 2064' FNL & 1241' FWL, Sec. 10, T10S, R19E

State: Utah

Bottomhole Location: 2400' FNL & 2300' FWL, Sec. 10, T10S, R19E

GREATEST PROJECTED TD: 9038' MD/ 8875' TVD

OBJECTIVE: Wasatch/Mesaverde

APPROX GR ELEV: 5002'

Est KB ELEV: 5016' (14' AGL)

1. MUD PROGRAM:

| INTERVAL | 0' to 2274' | 2274' to 9038' |
|------------|-------------|-------------------------------|
| HOLE SIZE | 12.25" | 7.875" |
| MUD TYPE | FW/Spud Mud | KCl Based LSND / Gel Chemical |
| WEIGHT | 8.80 ppg | 8.6-9.2 ppg |
| VISCOSITY | NC | 30-60 sec-qt ⁻¹ |
| WATER LOSS | NC | 8-15 cc/30 min |

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

CASING PROGRAM:

9.625" casing set at ±2274'MD/2200'TVD in a 12.25" hole filled with 8.8 ppg mud Surface Casing:

| Intomial | Length | Wt | Gr | Cplg | Coll Rating (psi) | Burst Rating (psi) | Jt Str (M-lbs) | ID (in) | Drift (in) | SF Coll | SF Burst | SF Ten |
|----------|--------|-----|------|------|-------------------------|--------------------------|-------------------|------------|---------------|------------|-------------|-----------|
| 0'-2274' | 2274 | 36# | J-55 | ST&C | 2020 | 3520 | 394 | 8.921 | 8.765 | 2.57 | 4.47 | 4.81 |

5.5" casing set at ± 9038 'MD/8875'TVD in a 7.875" hole filled with 9.20 ppg mud. Production Casing:

| | 1104401 | 011 0401116 | | | <u> </u> | | | | | | | | |
|---|----------|-------------|-----|------|----------|--------|--------|---------|-------|-------|------|-------|------|
| | | | | | | Coll | Burst | | | | | | |
| Į | | | | | | Rating | Rating | Jt Str | ID | Drift | SF | SF | SF |
| | Interval | Length | Wt | Gr | Cplg | (psi) | (psi) | (M-lbs) | (in) | (in) | Coll | Burst | Ten |
| | 0'-9038' | 9038' | 17# | N-80 | LT&C | 6280 | 7740 | 348 | 4.892 | 4.767 | 1.87 | 2.30 | 2.26 |

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

CEMENT PROGRAM:

9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ± 2274 ' in 12.25" hole. A. Surface:

LEAD:

±225 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft³/sk, 22.95 gal wtr/sx.

TAIL:

350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

Total estimated slurry volume for the 9.625" surface casing is 1280.5 ft³. Slurry includes 75% excess of calculated open hole annular volume to 2274'.

B. <u>Production:</u> 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±9038' in 7.875" hole.

LEAD:

±288 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft³/sk, 17.71 gal wtr/sx.

TAIL

400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

Total estimated slurry volume for the 5.5" production casing is 1488.0 ft³. Slurry includes 15% excess of calculated open hole annular volume.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1774' top of cement..

5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (9038') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (9038') to 2274'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

No change.

8. BOP EQUIPMENT:

Surface will utilize a 500 psi or greater diverter.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes

occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed:
- b. whenever any seal subject to test pressure is broken
- c. following related repairs: and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

Annular BOP -- 1500 psi
Ram type BOP -- 3000 psi
Kill line valves -- 3000 psi
Choke line valves and choke manifold valves -- 3000 psi
Chokes -- 3000 psi
Casing, casinghead & weld -- 1500 psi
Upper kelly cock and safety valve -- 3000 psi
Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

a. The size and rating of the BOP stack is shown on the attached diagram.

- b. A choke line and a kill line are to be properly installed.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.
- e. See attached BOP & Choke manifold diagrams.

9. COMPANY PERSONNEL:

| Name | <u>Title</u> | Office Phone | <u>Home Phone</u> |
|---------------|-------------------------|--------------|-------------------|
| John Egelston | Drilling Engineer | 505-333-3163 | 505-330-6902 |
| Bobby Jackson | Drilling Superintendent | 505-333-3224 | 505-486-4706 |
| Jeff Jackson | Project Geologist | 817-885-2800 | |



Well Name: RBU 22-10E

San Juan Division Drilling Department

Calculation Method: Minimum Curvature

Geodetic Datum: North American Datum 1983

Lat: 39° 57' 48.841 N Long: 109° 46' 27.311 W



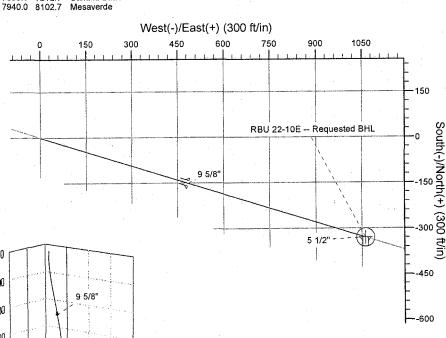
Azimuths to True North Magnetic North: 11.52°

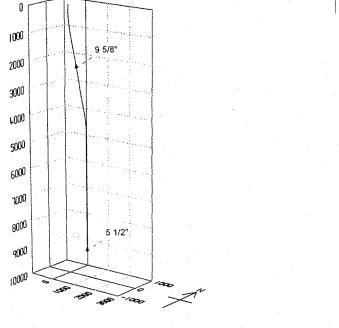
> Magnetic Field Strength: 52568.6nT Dip Angle: 65.86° Date: 9/16/2008 Model: IGRF200510

FORMATION TOP DETAILS

CASING DETAILS

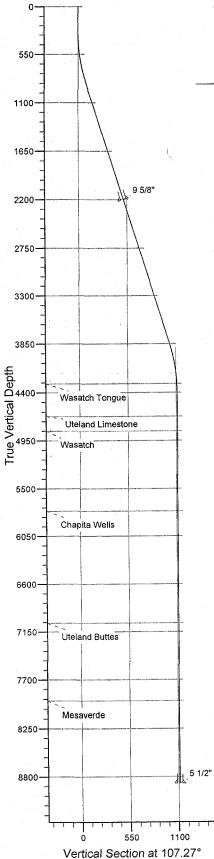
| and the second second | | | | | | |
|--|--|------|----------------------|------------------------|--------------------------|------------------------|
| TVDPath MDPath 4300.0 4462.6 4670.0 4832.7 | Formation Wasatch Tongue Uteland Limestone | . 22 | VD 200.0 375.0 | MD 2274.0 9037.7 | Name 9 5/8" 5 1/2" | Size 9-5/8 5-1/2 |
| 4840.0 5002.7 | Wasatch | | | | | |
| 5760.0 5922.7 7050.0 7212.7 | Chapita Wells Uteland Buttes | | | | | |





SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|---------|--------|-------|--------|--------|--------|--------|------|--------|--------|--------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 886.0 | 17.58 | 107.27 | 876.9 | -26.5 | 85.2 | 3.00 | 107.27 | 89.2 | |
| - 4 | 3976.6 | 17,58 | 107.27 | 3823.1 | -303.6 | 976.6 | 0.00 | 0.00 | 1022.7 | |
| 5 | 4562.7 | 0.00 | 0.00 | 4400.0 | -330.1 | 1061.8 | 3.00 | 180.00 | 1111.9 | RBU 22-10E Requested BHL |
| 6 | 9037.7 | 0.00 | 0.00 | 8875.0 | -330.1 | 1061.8 | 0.00 | 0.00 | 1111.9 | |



XTO Energy

Natural Buttes Wells(NAD83) RBU 22-10E RBU 22-10E RBU 22-10E

Plan: Permitted Wellbore

Standard Planning Report

16 September, 2008

Planning Report

Database:

EDM 2003.14 Single User Db

Company:

XTO Energy

Project:

Natural Buttes Wells(NAD83)

Site:

RBU 22-10E

Well:

RBU 22-10E RBU 22-10E

Wellbore: Design:

Permitted Wellbore

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Well RBU 22-10E

Rig KB @ 5016.0ft (Frontier #6) Rig KB @ 5016.0ft (Frontier #6)

True

Minimum Curvature

Project

Natural Buttes Wells(NAD83), Vernal, UT

Map System:

US State Plane 1983

Geo Datum: Map Zone:

North American Datum 1983

Utah Northern Zone

System Datum:

Mean Sea Level

Using Well Reference Point

Site

RBU 22-10E, T10S, R19E

Site Position:

Northing:

3,150,914.40 ft

Latitude:

39° 57' 48.841 N

From: **Position Uncertainty:** Lat/Long

Easting: Slot Radius: 2,124,232.15ft

Longitude:

109° 46' 27.311 W

Grid Convergence:

1.14°

Well

RBU 22-10E, S-Well to Wasatch/Mesaverde

0.0 ft

Well Position

+N/-S +E/-W

0.0 ft 0.0 ft 0.0 ft Northing:

Easting:

9/16/2008

Wellhead Elevation:

3,150,914.40 ft 2,124,232.15 ft

11.52

5,002.0 ft

Latitude: Longitude: Ground Level:

39° 57' 48.841 N 109° 46' 27.311 W

52,569

5,002.0 ft

Position Uncertainty

RBU 22-10E

Magnetics

Wellbore

Model Name

Sample Date

Phase:

Declination (°)

Dip Angle (°)

Field Strength

(nT)

Permitted Wellbore

IGRF200510

Design Audit Notes:

Version:

Vertical Section:

Depth From (TVD) (ft)

0.0

PROTOTYPE +N/-S (ft)

0.0

Tie On Depth: +E/-W (ft)

0.0

0.0

65.86

Direction (°) 107.27

| lan Sections | | | | | | | | | | |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|----------------------------|---------------------------|------------|------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 886.0 | 17.58 | 107.27 | 876.9 | -26.5 | 85.2 | 3.00 | 3.00 | 0.00 | 107.27 | |
| 3,976.6 | 17.58 | 107.27 | 3,823.1 | -303.6 | 976.6 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,562.7 | 0.00 | 0.00 | 4,400.0 | -330.1 | 1,061.8 | 3.00 | -3.00 | 0.00 | 180.00 | RBU 22-10E Reque |
| 9,037.7 | 0.00 | 0.00 | 8,875.0 | -330.1 | 1,061.8 | 0.00 | 0.00 | 0.00 | 0.00 | |

Planning Report

Database:

EDM 2003.14 Single User Db

Company:

XTO Energy

Project: Site: Natural Buttes Wells(NAD83)

Well: Wellbore:

Design:

RBU 22-10E RBU 22-10E

RBU 22-10E RBU 22-10E Permitted Wellbore Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well RBU 22-10E

Rig KB @ 5016.0ft (Frontier #6) Rig KB @ 5016.0ft (Frontier #6)

True

Minimum Curvature

| Moseured | | | Vertical | | | Vertical | Dogleg | Build | Turn |
|---------------------------|--------------------|----------------|---------------|---------------|---------------|-----------------|-------------------|-------------------|-------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Depth (ft) | +N/-S (ft) | +E/-W (ft) | Section (ft) | Rate (°/100ft) | Rate (°/100ft) | Rate (°/100ft) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | | | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 400.0 | 0.00 3.00 | 0.00 107.27 | 400.0 | -0.8 | 2.5 | 2.6 | 3.00 | 3.00 | 0.00 |
| 400.0 | 3.00 | 107.27 | | | | | | | |
| 500.0 | 6.00 | 107.27 | 499.6 | -3.1 | 10.0 | 10.5 | 3.00 | 3.00 | 0.00 |
| 600.0 | 9.00 | 107.27 | 598.8 | -7.0 | 22.5 | 23.5 | 3.00 | 3.00 | 0.00 |
| 700.0 | 12.00 | 107.27 | 697.1 | -12.4 | 39.9 | 41.7 | 3.00 | 3.00 | 0.00 |
| 800.0 | 15.00 | 107.27 | 794.3 | -19.3 | 62.1 | 65.1 | 3.00 | 3.00 | 0.00 |
| 886.0 | 17.58 | 107.27 | 876.9 | -26.5 | 85.2 | 89.2 | 3.00 | 3.00 | 0.00 |
| | | | | | | 93.4 | 0.00 | 0.00 | 0.00 |
| 900.0 | 17.58 | 107.27 | 890.2 | -27.7 | 89.2 | | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 17.58 | 107.27 | 985.5 | -36.7 | 118.1 | 123.6 | | | |
| 1,100.0 | 17.58 | 107.27 | 1,080.9 | -45.7 | 146.9 | 153.8 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 17.58 | 107.27 | 1,176.2 | -54.6 | 175.7 | 184.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 17.58 | 107.27 | 1,271.5 | -63.6 | 204.6 | 214.2 | 0.00 | 0.00 | 0.00 |
| | 17.58 | 107.27 | 1,366.8 | -72.6 | 233.4 | 244.5 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 17.58 | 107.27 | 1,462.2 | -81.5 | 262.3 | 274.7 | 0.00 | .0.00 | 0.00 |
| 1,500.0 | | | | -90.5 | 291.1 | 304.9 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 17.58 | 107.27 | 1,557.5 | | 320.0 | 335.1 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 17.58 | 107.27 | 1,652.8 | -99.5 | | | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 17.58 | 107.27 | 1,748.2 | -108.4 | 348.8 | 365.3 | 0.00 | | |
| 1,900.0 | 17.58 | 107.27 | 1,843.5 | -117.4 | 377.6 | 395.5 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 17.58 | 107.27 | 1,938.8 | -126.4 | 406.5 | 425.7 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 17.58 | 107.27 | 2,034.1 | -135.3 | 435.3 | 455.9 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 17.58 | 107.27 | 2,129.5 | -144.3 | 464.2 | 486.1 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 17.58 | 107.27 | 2,200.0 | -150.9 | 485.5 | 508.4 | 0.00 | 0.00 | 0.00 |
| | 17.50 | 107.27 | 2,200.0 | 100.0 | | | | | • |
| 9 5/8" | | | | | | | | 0.05 | 0.00 |
| 2,300.0 | 17.58 | 107.27 | 2,224.8 | -153.3 | 493.0 | 516.3 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 17.58 | 107.27 | 2,320.1 | -162.2 | 521.9 | 546.5 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 17.58 | 107.27 | 2,415.5 | -171.2 | 550.7 | 576.7 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 17.58 | 107.27 | 2,510.8 | -180.2 | 579.6 | 606.9 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 17.58 | 107.27 | 2,606.1 | -189.1 | 608.4 | 637.1 | 0.00 | 0.00 | 0.00 |
| | | | | | 007.0 | 667.3 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 17.58 | 107.27 | 2,701.4 | -198.1 | 637.2 | | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 17.58 | 107.27 | 2,796.8 | -207.1 | 666.1 | 697.5 | | 0.00 | 0.00 |
| 3,000.0 | 17.58 | 107.27 | 2,892.1 | -216.0 | 694.9 | 727.7 | 0.00 | | |
| 3,100.0 | 17.58 | 107.27 | 2,987.4 | -225.0 | 723.8 | 757.9 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 17.58 | 107.27 | 3,082.8 | -234.0 | 752.6 | 788.1 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 17.58 | 107.27 | 3,178.1 | -242.9 | 781.5 | 818.4 | 0.00 | 0.00 | 0.00 |
| | | 107.27 | 3,273.4 | -251.9 | 810.3 | 848.6 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 17.58 | | | | 839.1 | 878.8 | 0.00 | 0,00 | 0.00 |
| 3,500.0 | 17.58 | 107.27 | 3,368.8 | -260.9 | | 909.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 17.58 | 107.27 | 3,464.1 | -269.9 | 868.0 | | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 17.58 | 107.27 | 3,559.4 | -278.8 | 896.8 | 939.2 | 0.00 | 0.00 | |
| 3,800.0 | 17.58 | 107.27 | 3,654.7 | -287.8 | 925.7 | 969.4 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 17.58 | 107.27 | 3,750.1 | -296.8 | 954.5 | 999.6 | 0.00 | 0.00 | 0.00 |
| 3,976.6 | 17.58 | 107.27 | 3,823.1 | -303.6 | 976.6 | 1,022.7 | 0.00 | 0.00 | 0.00 |
| | 16.88 | 107.27 | 3,845.4 | -305.7 | 983.2 | 1,029.7 | 3.00 | -3.00 | 0.00 |
| 4,000.0 4,100.0 | 13.88 | 107.27 | 3,941.8 | -313.6 | 1,008.6 | 1,056.2 | 3.00 | -3.00 | 0.00 |
| | | | | | | | | | 0.00 |
| 4,200.0 | 10.88 | 107.27 | 4,039.5 | -319.9 | 1,029.0 | 1,077.6 | 3.00 | -3.00 | 0.00 |
| 4,300.0 | 7.88 | 107.27 | 4,138.2 | -324.8 | 1,044.6 | 1,093.9 | 3.00 | -3.00 | |
| 4,400.0 | 4.88 | 107.27 | 4,237.5 | -328.1 | 1,055.2 | 1,105.0 | 3.00 | -3.00 | 0.00 |
| 4,462.6 | 3.00 | 107.27 | 4,300.0 | -329.3 | 1,059.3 | 1,109.3 | 3.00 | -3.00 | 0.00 |
| Wasatch Ton | | | | | | | | | |
| 4,500.0 | 1.88 | 107.27 | 4,337.3 | -329.8 | 1,060.8 | 1,110.9 | 3.00 | -3.00 | 0.00 |
| .,000.0 | ,.50 | , | , | | | | 3.00 | -3.00 | 0.00 |

Planning Report

Database:

EDM 2003.14 Single User Db

Company:

XTO Energy

Project:

Natural Buttes Wells(NAD83)

Site: Well: RBU 22-10E RBU 22-10E

Wellbore: Design: RBU 22-10E Permitted Wellbore Local Co-ordinate Reference:

TVD Reference:

MD Reference:
North Reference:

Survey Calculation Method:

Well RBU 22-10E

Rig KB @ 5016.0ft (Frontier #6) Rig KB @ 5016.0ft (Frontier #6)

True

Minimum Curvature

| d Survey | | | | • | | 4 | | | |
|---------------------------|--------------------|----------------|---------------------------|------------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| RBU 22-10F | Requested Bi | 4L | | | | | | | |
| 4,600.0 | 0.00 | 0.00 | 4,437.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 0.00 | 0.00 | 4,537.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| | | | 4,637.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 0.00 | 0.00 | , | | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 4,832.7 | 0.00 | 0.00 | 4,670.0 | -330.1 | 1,001.0 | 1,111.5 | 0.00 | 0.00 | 0.00 |
| Uteland Lime | estone | | | | | | | | |
| 4,900.0 | 0.00 | 0.00 | 4,737.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 0.00 | 0.00 | 4,837.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,002.7 | 0.00 | 0.00 | 4,840.0 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 4,040.0 | 550.7 | 1,001.0 | ., | | | |
| Wasatch 5,100.0 | 0.00 | 0.00 | 4,937.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 0.00 | 0.00 | 5,037.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| | | | | | | | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 0.00 | 0.00 | 5,137.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 0.00 | 0.00 | 5,237.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | |
| 5,500.0 | 0.00 | 0.00 | 5,337.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 0.00 | 0.00 | 5,437.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 0.00 | 0.00 | 5,537.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 0.00 | 0.00 | 5,637.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 5,737.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 0.00 | | 5,760.0 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 5,922.7 | 0.00 | 0.00 | 5,760.0 | -330.1 | 1,001.0 | 1,111.0 | 2.22 | | |
| Chapita Wel | | | 5.007.0 | 220.1 | 1.061.9 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 0.00 | 0.00 | 5,837.3 | -330.1 | 1,061.8 | | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 0.00 | 0.00 | 5,937.3 | -330.1 | 1,061.8 | 1,111.9 | | | |
| 6,200.0 | 0.00 | 0.00 | 6,037.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 0.00 | 0.00 | 6,137.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 0.00 | 0.00 | 6,237.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 0.00 | 0.00 | 6,337.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 0.00 | 0.00 | 6,437.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 0.000.0 | | | | | | | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 0.00 | 0.00 | 6,537.3 | -330.1 | 1,061.8 | 1,111.9 | | | 0.00 |
| 6,800.0 | 0.00 | 0.00 | 6,637.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | |
| 6,900.0 | 0.00 | 0.00 | 6,737.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 0.00 | 0.00 | 6,837.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 0.00 | 0.00 | 6,937.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 7,037.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 7,050.0 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 7,212.7 | 0.00 | 0.00 | 7,030.0 | -550.1 | 1,001.0 | 1,1110 | | | |
| Uteland But | | | 7.107.0 | 220.4 | 1.061.9 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 0.00 | 0.00 | 7,137.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 0.00 | 0.00 | 7,237.3 | -330.1 | 1,061.8 | | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 0.00 | 0.00 | 7,337.3 | -330.1 | 1,061.8 | 1,111.9 | | | |
| 7,600.0 | 0.00 | 0.00 | 7,437.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| = ===== | 0.00 | 0.00 | 7,537.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 0.00 | 0.00 | 7,637.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 0.00 | 0.00 | 7,737.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| , | 0.00 | 0.00 | 7,837.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | | | | | | | | 0.00 | 0.00 |
| 8,100.0 | 0.00 | 0.00 | 7,937.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | | 0.00 |
| 8,102.7 | 0.00 | 0.00 | 7,940.0 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| Mesaverde | | | | | | | | | |
| 8,200.0 | 0.00 | 0.00 | 8,037.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 0.00 | 0.00 | 8,137.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 0.00 | 0.00 | 8,237.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| | | | | | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 0.00 | 0.00 | 8,337.3 | -330.1 -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 0.00 | 0.00 | 8,437.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 |

Planning Report

Database:

EDM 2003.14 Single User Db

Company:

XTO Energy

Project:

Natural Buttes Wells(NAD83)

Site: Well: RBU 22-10E RBU 22-10E

Wellbore: Design:

RBU 22-10E Permitted Wellbore Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well RBU 22-10E

Rig KB @ 5016.0ft (Frontier #6) Rig KB @ 5016.0ft (Frontier #6)

Minimum Curvature

| mned Survey Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S ' (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
|------------------------------------|--------------------|----------------|---------------------------|-----------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|--|
| 8,800.0 | 0.00 | 0.00 | 8,637.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 | |
| 8,900.0 | 0.00 | 0.00 | 8,737.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 | |
| 9,000.0 | 0.00 | 0.00 | 8,837.3 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 | |
| 9,037.7 | 0.00 | 0.00 | 8,875.0 | -330.1 | 1,061.8 | 1,111.9 | 0.00 | 0.00 | 0.00 | |
| 5 1/2" | | | | | | | | | | |

| Targets | | | | | | | | | |
|---|------------------|-----------------|-------------|---------------|---------------|------------------|-----------------|------------------|-------------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
| RBU 22-10E Requeste - plan hits target - Circle (radius 30.0) | | 0.00 | 4,400.0 | -330.1 | 1,061.8 | 3,150,605.45 | 2,125,300.30 | 39° 57' 45.579 N | 109° 46' 13.677 W |

| Casing Points | | | | | | | |
|---------------|---------------------------|---------------------------|--------|------|---------------------------|-------------------------|--|
| | Measured Depth (ft) | Vertical Depth (ft) | | Name | Casing Diameter (") | Hole Diameter (") | |
| | 2,274.0 | 2,200.0 | 9 5/8" | | 9-5/8 | 12-1/4 | |
| | 9,037.7 | 8,875.0 | 5 1/2" | | 5-1/2 | 7-7/8 | |

| Formations | | | | | | |
|------------|---------------------------|---------------------------|-------------------|-----------|------------|-------------------------|
| | Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| | 4,462.6 | 4,300.0 | Wasatch Tongue | | 0.00 | |
| | 4,832.7 | 4,670.0 | Uteland Limestone | | 0.00 | |
| ļ | 5,002.7 | 4,840.0 | Wasatch | | 0.00 | |
| | 5,922.7 | 5,760.0 | Chapita Wells | | 0.00 | |
| | 7,212.7 | 7,050.0 | Uteland Buttes | | 0.00 | |
| | 8,102.7 | 7,940.0 | Mesaverde | | 0.00 | |

BLM - Vernal Field Office - Notification Form - SPUD

| Operator XTO Rig Name/# Pete Martin #8 Submitted By Rick Oman Phone Number 1-435-828-1456 Well Name/Number RBU 22-10E Qtr/Qtr SWNW Section 10 Township 10S Range 19E Lease Serial Number UTU-035316 API Number 43-047-38588 |
|---|
| Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string. |
| Date/Time <u>11/6/08</u> <u>8:00</u> AM \boxtimes PM \square |
| Casing — Please report time casing run starts, not cementing times. Surface Casing Intermediate Casing Production Casing Liner Other |
| Date/Time AM PM |
| BOPE Initial BOPE test at surface casing point BOPE test at intermediate casing point NOV 0 6 2008 30 day BOPE test Other Date/Time AM PM |
| Remarks Spud Conductor. Thanks Rick |

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

| BUREAU OF LAND MANAGE SUNDRY NOTICES AND REPORT Do not use this form for proposals to de abandoned well. Use Form 3160-3 (APD) | U-035316 6. If Indian, Allottee or Tribe Name | | |
|--|--|--|--|
| SUBMIT IN TRIPLICATE - Other instruction 1. Type of Well Oil Well Gas Well Other 2. Name of Operator | | 7. If Unit or CA/Agreement, Name and/or No RIVER BEND UNIT 8. Well Name and No. RBU 22-10E | |
| XTO ENERGY INC. 3a. Address 382 CR 3100 AZTEC, NM 87410 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2064' FNL x 1241' FWL SWIN SEC 10-T10S-R1: 2400' FNL x 2300' FWL SENW SEC 10-T10S-R1: | | 9. API Well No. 43-047-38588 10. Field and Pool, or Exploratory Area NATURAL BUTTES 11. County or Parish, State UINTAH UTAH | |
| 12. CHECK APPROPRIATE BOX(ES) TO TYPE OF SUBMISSION Notice of Intent Subsequent Report Final Abandonment Notice Convert to be | TYPE OF ACTION Deepen Production Records: Plug and Abandon Temporary | on (Start/Resume) Water Shut-Off Mell Integrity | |

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc., spudded this well on 11/6/2008.

RECEIVED NOV 1 0 2008

DIV. OF OIL, GAS & MINING

| 14. I hereby certify that the foregoing is true and correct | | |
|---|--|---|
| Name (Printed/Typed) JENNIFER M. HEMBRY | Title FILE CLERK | |
| Signature Lenguiger M. Hembry | Date 11/10/2008 | |
| | ERAL OR STATE OFFICE USE | |
| Approved by | Title | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or cert the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | ify that Office | |
| Title 19 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 makes it a crime for any ne | rson knowingly and willfully to make to any de | epartment or agency of the United States any false, |

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

| SIAIE | UF UTAH |
|------------------|------------------|
| DEPARTMENT OF NA | ATURAL RESOURCES |
| DIVISION OF OIL, | GAS AND MINING |

| | | | ENTITY ACTION | FORM | | | | | |
|-----------|------------------|--|--|---------------------------------|-------------------|--------------|----------------------------------|-----------------------------------|--|
| perator: | | NERGY INC. | | Operator Account Number: N 2615 | | | | | |
| ddress: | 382 CF | | | - | | | | | |
| | city AZ | | | | | | , | ENEL 222 2400 | |
| | state N | IM | zip 87410 | _ | PI | hone Nu | mber: _ | 505) 333-3100 | |
| Vell 1 | | | | | | | | | |
| | Number Well Name | | QQ | Sec | Twp | Rng | County | | |
| 43047 | 38588 | RIVER BEND UNIT 2 | | SWNW | نــــــن | 108 | 19E | UINTAH | |
| Action | Code | Current Entity Number | New Entity Number | S | pud Dat | e | | ity Assignment | |
| 1 | XB | 199999 | 7050 | 1 | 1/6/200 | 8 | | 10 108 | |
| Commen | | | | • | | | | <i> </i> | |
| <u> M</u> | NKP= | =WSMUD B | AL SENU | ν | | | ~ | | |
| | - | | | | | | | | |
| Vell 2 | | | | | | | | | |
| API N | umber | Well | Name | QQ | Sec | Twp | Rng | County | |
| | | | | | | | | | |
| Action | Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | | |
| | | | | | | | <u> </u> | | |
| Commer | nts: | | | | | | | | |
| Well 3 | | | | | | | | | |
| API N | umber | Well | Name | QQ | Sec | Twp | Rng | County | |
| | | | | | | | <u> </u> | | |
| Action | 1 Code | Current Entity Number | New Entity Number | s | pud Da | te | | tity Assignment Effective Date | |
| | | <u>_</u> _ | | | | | <u> </u> | | |
| Commer | nts: | | | | | | | | |
| | | - Inc. of the second se | •••••••••••••••••••••••••••••••••••••• | | | ·- <u></u> , | - | | |
| TION COD | | entity for new well (single | well only) | JĘ | NNIFER | M. HEM | BRY | | |
| | | to existing entity (group or | - • | Nav | ne (Please | Print) | . 10 | 1/ 1 | |
| | | from one existing entity t | | | enn | yer | 711. 9 | tembry | |
| | - | I from one existing entity to in 'comments' section) | o a new entity | | nature .E CLER | K | | 11/10/2008 | |
| Oili | · · · /~vhiaiii | at outsillotto goodoil) | DECEIVE | _ | | | | Date | |

(5/2000)

RECEIVED

NOV 1 0 2008

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

| | | | 5. LEASE DESIGNATION AND SERIAL NUMBER: U-035316 | | | |
|-------------------|---|--|--|--|--------------------------|-------------------------------|
| | SUNDRY | NOTICES AND REPORTS | ON WEL | LS | 6. IF INDIAN, AL | LOTTEE OR TRIBE NAME: |
| Do r | not use this form for proposals to drill n drill horizontal la | new wells, significantly deepen existing wells below curr aterals. Use APPLICATION FOR PERMIT TO DRILL fo | rent bottom-hole depl orm for such proposa | th, reenter plugged wells, or to | RIVER BI | GREEMENT NAME: END UNIT |
| 1. TY | OIL WELL | GAS WELL OTHER_ | | | 8. WELL NAME RBU 22-1 | |
| | AME OF OPERATOR: | | - | | 9. API NUMBER | : |
| | O ENERGY INC. | | | PHONE NUMBER: | 43047385 | POOL, OR WILDCAT: |
| | | Y AZTEC STATE NM ZIP | 87410 | (505) 333-3100 | | L BUTTES |
| | DOCATION OF WELL DOTAGES AT SURFACE: 2064 | FNL x 1241' FWL | | | соинту: UI | NTAH |
| Q. | TR/QTR, SECTION, TOWNSHIP, RAN | NGE, MERIDIAN: SWNW 10 10S 1 | 9E | | STATE: | UTAH |
| 11. | CHECK APPI | ROPRIATE BOXES TO INDICAT | E NATURE | OF NOTICE, REPOI | RT, OR OT | HER DATA |
| - | TYPE OF SUBMISSION | | T, | YPE OF ACTION | | |
| $\overline{\Box}$ | NOTICE OF INTENT | ACIDIZE . | DEEPEN | _ | REPER | FORATE CURRENT FORMATION |
| _ | (Submit in Duplicate) | ALTER CASING | FRACTURE | TREAT | | ACK TO REPAIR WELL |
| | Approximate date work will start: | CASING REPAIR | NEW CONS | | | RARILY ABANDON |
| | | CHANGE TO PREVIOUS PLANS | OPERATOR | | | REPAIR |
| | | CHANGE TUBING | PLUG AND | | | PR FLARE |
| V | SUBSEQUENT REPORT (Submit Original Form Only) | CHANGE WELL NAME | PLUG BACK | | _ | DISPOSAL |
| | Date of work completion: | CHANGE WELL STATUS | | ON (START/RESUME) | | SHUT-OFF |
| | 11/30/2008 | COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE | <u> </u> | ION OF WELL SITE TE - DIFFERENT FORMATION | ✓ OTHER | DECEMBER 08 MONTHLY REPORT |
| | | 1 | | | | |
| 12. | DESCRIBE PROPOSED OR CO | OMPLETED OPERATIONS. Clearly show all p | pertinent details in | cidding dates, deptils, volume | es, eic. | |
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| At | tached is XTO Energy's | s monthly report for the period of 1 | 11/01/2008 th | nru 11/30/2008. | | |
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| N7A | ME (PLEASÉ PRINT) JENNIFE | R M. HEMBRY | TIT | F REGULATORY (| CLERK | |
| NAN | TE (FLEMOE PRINT) | 100 1101 | | 40/5/0000 | | |
| SIGI | NATURE ALM | yer IVI, Hember | UX DAT | 12/5/2008 | | |
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EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008 Report run on 12/3/2008 at 5:07 PM

| | it 22-10E - Natural Buttes, 10, 10S, 19E, Uintah, Utah, , |
|------------|--|
| Roosevelt, | AFE: 717117 |
| | Objective: Drill & Complete a Natural Buttes gas well |
| | Rig Information: Frontier Drilling, 6, |
| 11/7/2008 | MIRU Pete Martin Rat Hole Drilling. Drill 20" Conductor Hole to 40'. Ran |
| | 14" Conductor Pipe Set @ 40'. Cement To Surface w/ 2 1/2 yds Redimix Cement. |
| | Drill And Set Rat And Mouse Hole For Frontier 6 Drilling Rig. RDMO. MIRU Pete Martin Rat Hole Drilling. Drill 20" Conductor Hole to 40'. Ran |
| | 14" Conductor Pipe Set @ 40'. Cement To Surface w/ 2 1/2 yds Redimix Cement. |
| | Drill And Set Rat And Mouse Hole For Frontier 6 Drilling Rig. RDMO. |
| | NOVE TROUBLES OF THOM PRINTED AND A STREET AND AND A S |
| 11/22/2008 | MOVE FRONTIER RIG 6 FROM RBU 14-8 EX - RIG 100% ON LOC. & 90 % RIGGED UP RIG IS 100% ON LOC. DERRICK IS UP |
| | RIG IS 100° ON LOC. BRACION IS OF |
| | Riverbend Unit 22-10E ==================================== |
| 11/23/2008 | FINISH RIGGING UP - NIPPLE UP DIVERTER - PICK UP MWD & DRILL F/64' T/470' BUILDING ANGLE |
| | MUD 8.6 / 33 - SURVEY @ 450' 4.4 Deg. 121.18 Az |
| | |
| | Riverbend Unit 22-10E ==================================== |
| 11/24/2008 | DRILL F/470' T/1710' SL/ROT TO HOLD ANGLE |
| | MUD 8.8 / 34 - SURVEY @ 1603' 18.20 Deg. 105.89 Az |
| = | |
| 11/25/2008 | DRILL F/1710' T/2330' - CIRC. & COND TRIP OUT & LAY DOWN MWD TOOLS - R/U WEATHERFORD & RAN 52 JTS. 9 5/8'' 36# J-55 SET @ 2318' - CIRC. & COND FOR |
| | CMT. JOB |
| | MUD 8.7 / 34 - SURVEY @ 2280' 17.15 Deg. 109.49 Az |
| = | |
| 11/26/2008 | CIRC. & COND. FOR CMT CMT. WITH SUPERIOR LEAD = 240 SK TYPE III WT. 10.5 |
| | YIELD 4.15 177 BBL - TAIL = 250 SK ''G'' WT. 15.7 YIELD 1.16 52 BBL - TOP |
| | OUT 25 SK WT. 15.8 YIELD 1.16 5.2 BBL - PLUG BUMPED FLOATS FAILD - CMT FELL BACK - NIPPLE UP BOP - TEST BOP & CHOKE TO 3000 ANNULAR & CSG. TO 1500 - PICK |
| | UP MWD & TRIP IN HOLE |
| | MUD 8.8 / 34 |
| | |
| _ | |
| 11/27/2008 | DRILL CMT. & FLOAT EQ DRILL F/2330' T/3430' SL/ROT. HOLDING ANGLE |
| | MUD 9.0 / 33 - SURVEY @ 3413' 16.27 Deg. 110.11 Az |
| | |
| | Research Total Park To |
| 11/28/2008 | DRILL F/3430' T/4356' - TRIP FOR BIT # 3 MUD 9.1 / 34 - SURVEY @ 3401' 6.16 Deg. 107.74 Az |
| | MOD 3.1 / 34 - BORVET @ 3401 0.10 Deg. 10/./4 A2 |
| = | ====================================== |
| 11/29/2008 | TRIP IN - DRILL F/4356' T/4790' (WELL BUILDING ANGLE) - TRIP FOR MWD TOOLS - |
| | DRILL F/4790' T/4967' SL/ROT DROPPING ANGLE |
| | MUD 9.3 / 34 - SURVEY @ 4937' 3.08 Deg. 114.68 Az |
| | ====================================== |
| = | THE PROPERTY OF THE PROPERTY O |

STATE OF UTAH

| DIVISION OF OIL, GAS AND MINING | | | 5. LEASE DESIGNATION AND SERIAL NUMBER: U-035316 |
|--|--|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | | 7. UNIT OF CA AGREEMENT NAME: RIVER BEND UNIT |
| 1. TYPE OF WELL OIL WELL GAS WELL OTHER | | | 8. WELL NAME and NUMBER: RBU 22-10E |
| 2. NAME OF OPERATOR: XTO ENERGY INC. | | | 9. API NUMBER: 4304738588 |
| 3. ADDRESS OF OPERATOR: | , AZTEC STATE NM ZIP | 87410 PHONE NUMBER: (505) 333-3100 | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2064' F | | | COUNTY: UINTAH |
| QTR/QTR, SECTION, TOWNSHIP, RANG | GE, MERIDIAN: SWNW 10 10S 1 | 9E | STATE: UTAH |
| | ROPRIATE BOXES TO INDICAT | TE NATURE OF NOTICE, REPO | RT, OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | DEDERGRATE OF INDENT FORMATION |
| NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: | ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS | DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE | REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR |
| SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 12/31/2008 | CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE | PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME) RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION | VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER: DECEMBER 08 MONTHLY REPORT |
| | | pertinent details including dates, depths, volum 12/01/2008 thru 12/31/2008. | ies, etc. |
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| | | | · |
| NAME (PLEASE PRINT) JENNIFER M. HEMBRY TITLE REGULATORY CL | | | CLERK |
| SIGNATURE Jennifer M. Hemby DATE 12/5/200 | | | |
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EXECUTIVE SUMMARY REPORT

12/1/2008 - 12/31/2008 Report run on 1/2/2009 at 4:36 PM

Riverbend Unit 22-10E - Riverbend Unit 22-10E

Section 10-10S-19E, Uintah, Utah, Roosevelt Objective: Drill & Complete a Natural Buttes gas well Date First Report: 11/6/2008 Last Casing String: Casing Joints, 12/7/2008 Method of Production: 12/1/2008 DRILL F/5935' T/6980' MUD 9.4 / 34 - SURVEY @ 6660' 3 Deg. 12/2/2008 DRILL F/6980' T/7606' MUD 9.6 / 35 - SURVEY @ 7140' 3 1/2 Deg. DRILL F/7606' T/7787' - TRIP FOR BIT - DRILL F/7787' T/8130' 12/3/2008 MUD 9.8 / 38 - SURVEY @ 7707' 2 1/2 Deg. 12/4/2008 DRILL F/8130' T/8795' MUD 9.7 / 35 12/5/2008 DRILL F/8795' T/9062' - CIRC. & COND. - TRIP OUT - R/U SCHLUMBERGER & RAN PLATFORM EXPRESS SET DOWN ON BRIDGE @ 4750' - TRIP IN TO COND, HOLE MUD 9.8 / 38 - SURVEY @ 8986' 2 1/4 Deg. ----- Riverbend Unit 22-10E 12/6/2008 TRIP IN & CLEAN OUT BRIDGE @ 4750' - CIRC. & COND. - TRIP OUT - LOG WITH SCHLUMBERGER (PLATFORM EXPRESS) LOGGERS T.D. 9040' - TRIP IN TO COND. & LAY DOWN D.P. MUD 9.8 / 40 12/7/2008 TRIP IN - CIRC. & COND. - LAY DOWN D.P. & D.C. - R/U WEATHERFORD & RAN 236 Jts. 5 1/2'' 17# N-80 SET @ 9052' - R/U SUPERIOR & CMT. LEAD 320 SK ''G'' 11.6# Yld. 2.49 TAIL 670 SK ''G'' 13.0# Yld. 1.73 - PLUG BUMPED FLOATS HELD 9.8 / 40 12/8/2008 NIPPLE DOWN BOP & CLEAN MUD TANKS 12/10/2008 MIRU CHS WLU. RIH w/ 4.65"OD GR & tgd @ 8,942' FS. POH w/ tls. RIH w/ GR/CCL/CBL logging tls. Tgd @ 8,942' FS. Run CBL under 750 psig fr/ 8,942'-400' FS. Log indic TOC @ 500'. PT csg. to 2500 psig for 30" & 5000 psig for 10". Tst gd. POH & LD logging tls. RDMO WL. SWI & SDFN. Rpts suspd until further activity.

EXECUTIVE SUMMARY REPORT

12/1/2008 - 12/31/2008 Report run on 1/2/2009 at 4:36 PM

12/19/2008

SICP 0 psig. MIRU CHS WLU. Held safety mtg. RIH perf MV stg #1 w/3-1/8"" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs, fr/8,724' - 8,744', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 41 holes). POH & LD perf guns. SWI & SDFN. Rpts suspd until further activity.

12/23/2008

SICP 120 psig. MIRU HES and CHS WLU. Held safety mtg & PT all surface lines to 7,500 psig, held gd. W/stg #1 already perfd w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs, fr/8,724' - 8,744', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 41 holes). Spearhead 1,000 gals 7.5% HCL ac and fracd MV stg #1 perfs fr/8,724' - 8,744', dwn 5-1/2" csg w/31,819 gals wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 65,400# Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 3 ppg, ISIP 4,489 psig, 5" SIP 4,118 psig, used 819,000 mscf of N2, ATP 5,356 psig, 758 BLWTR. RIH & set 6K CBP @ 8,705'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #2 intv fr/8,634' - 8,644', 8,647' - 8,651', 8,661' - 8,664', & 8,670' - 8,674', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 46 holes). POH & LD perf guns.

HES unable to keep equip running or provide a quality x-linked fluid. SWI.& SDFN. 758 BLWTR ttl. Rpts suspd until further activity.

12/29/2008

SICP 0 psig. MIRU HES and CHS WLU. Held safety mtg & PT all surface lines to 7,500 psig, held gd. W/stg #2 already perfd w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs, fr/8,634' - 8,674', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 46 holes). BD MV stg #2 perfs #2% KCL #2%and EIR. A. MV perfs fr/8,634' - 8,674' w/1,350 gals of 7-1/2% NEFE HCL ac and 69 Bio-balls @ 12 bpm dwn 5-1/2" csg. ISIP 3,185 psig, surge balls off perfs, wait 5". Fracd MV stg #2 perfs fr/8,634' - 8,674', dwn 5-1/2" csg w/54,526 gals wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 103,500# Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 3 ppg, ISIP 4,175 psig, 5" SIP 3,950 psig, used 1,037,000 mscf of N2, ATP 4,152 psiq, 1,298 BLWTR. RIH & set 6K CBP @ 8,605'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #3 intv fr/8,364' - 8,372', 8,559' - 8,561' & 8,568' -8,576' w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6 pene., 39 holes). POH & LD perf guns. BD MV stg #3 perfs w/2% KCL wtr and EIR. A. MV perfs fr/8,364' -8,576' w/1,100 gals of 7-1/2% NEFE HCL ac and 59 Bio-balls @ 12 bpm dwn 5-1/2" csg. ISIP 2,933 psig, surge balls off perfs, wait 5". Fracd MV stg #3 perfs fr/8,364' - 8,576', dwn 5-1/2" csg w/45,265 gals wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 74,500# Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 3 ppg, ISIP 3,790 psig, 5" SIP 3,635 psig, used 834,000 mscf of N2, ATP 5,822 psig, 1,078 BLWTR. RIH & set 6K CBP @ 8,080'. PT plq to 6,000 psiq, qd tst. RIH w/3-1/8" csq quns loaded w/Titan EXP-3323-361T, 22.7 qm chrgs. Perf MV stage #4 intv fr/7,946' - 7,957', 8,001' - 8,004' & 8,007' - 8,009' w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 35 holes). POH & LD perf guns. BD MV stg #4 perfs w/2% KCL wtr and EIR. A. MV perfs fr/7,957' - 8,009' w/1,000 gals of 7-1/2% NEFE HCL ac and 53 Bio-balls @ 12 bpm dwn 5-1/2" csg. ISIP 2,933 psig, surge balls off perfs, wait 5". Fracd MV stg #4 perfs fr/7,946' -8,009', dwn 5-1/2" csg w/23,490 gals wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 32,300# Premium White 20/40 sd coated w/Expedite Lite. Max sd conc 3 ppg, ISIP 2,800 psig, 5" SIP 2,423 psig, used 340,000 mscf of N2, ATP 4,667 psig, 559 BLWTR. RIH & set 6K CBP @ 7,400'. SWI & RDMO frac equip & WLU. SDFN. 3,693 BLWTR ttl. Rpts suspd until further activity.

======== Riverbend Unit 22-10E ==============================

FORM 9

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

| | DIVISION OF OIL, GAS AND MI | NING | • | 5. LEASE DESI U-035316 | GNATION AND SERAL NUMBER: | _ |
|--|--|-----------------------|--|---------------------------|------------------------------|-------------|
| SUNDRY | NOTICES AND REPORTS | ON WEL | LS | 6. IF INDIAN, A | LLOTTEE OR TRIBE NAME: | _ |
| Do not use this form for proposals to drill n | ew wells, significantly deepen existing wells below curr terals. Use APPLICATION FOR PERMIT TO DRILL fo | rent bottom-hole depl | h, reenter plugged wells, or to | B | AGREEMENT NAME: END UNIT | _ |
| 1. TYPE OF WELL OIL WELL | | Similar addit proposa | | 8. WELL NAME RBU 22-1 | | _ |
| 2. NAME OF OPERATOR: | | | | 9. API NUMBE | ₹: | - |
| XTO ENERGY INC. | | | PHONE NUMBER: | 4304738 | 588 POOL, OR WLDCAT: | _ |
| 3. ADDRESS OF OPERATOR: 382 CR 3100 | AZTEC STATE NM ZEP | 87410 | (505) 333-3100 | | L BUTTES | _ |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2064' | FNL x 1241' FWL | | | COUNTY: U | NTAH | |
| QTR/QTR, SECTION, TOWNSHIP, RANG | GE MERIDIAN: SWNW 10 10S 1 | 9E S | | STATE: | UTAH | |
| 11. CHECK APPF | ROPRIATE BOXES TO INDICAT | E NATURE | OF NOTICE, REPO | RT, OR OT | HER DATA | |
| TYPE OF SUBMISSION | | T' | PE OF ACTION | | | _ |
| NOTICE OF INTENT | ACIDIZE | DEEPEN | | | RFORATE CURRENT FORMATION | |
| (Submit in Duplicate) | ALTER CASING | FRACTURE | | _ | RACK TO REPAIR WELL | |
| Approximate date work will start: | CASING REPAIR | NEW CONS | | | DRARILY ABANDON | |
| | CHANGE TO PREVIOUS PLANS | OPERATOR | | = | G REPAIR | |
| [7] OURSEQUENT REPORT | CHANGE TUBING | PLUG AND | | = | OR FLARE | |
| SUBSEQUENT REPORT (Submit Original Form Only) | CHANGE WELL NAME | PLUG BACK | | = | R DISPOSAL | |
| Date of work completion: | CHANGE WELL STATUS | | ON (START/RESUME) | | R SHUT-OFF | |
| 1/31/2009 | COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE | = | ION OF WELL SITE TE - DIFFERENT FORMATION | ✓ OTHER | R: January 08 MONTHLY REPORT | |
| 12. DESCRIBE PROPOSED OR CO | DMPLETED OPERATIONS. Clearly show all p | | | es etc | | |
| 12. DESCRIBE PROPOSED OR CC | DIMPLETED OF ENATIONS. Clearly show all p | erunent detans in | adding dates, depths, volum | es, c.c. | | |
| Attached is XTO Energy's | monthly report for the period of 1 | I/1/2009 thru | 1/31/2009 | | | |
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| SIGNATURE | | DAT | 2/6/2009 | | | |
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EXECUTIVE SUMMARY REPORT

1/1/2009 - 1/31/2009 Report run on 2/4/2009 at 4:12 PM

Riverbend Unit 22-10E

Section 10-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 11/6/2008

Method of Production:

1/12/2009 SICP 600 psig. MIRU Temples WS rig #2. BD well. ND frac vlv, NU BOP. PU & TIH w/4-5/8" rock tooth bit, safety sub , BRS, 2-3/8" SN & 221 jts 2-3/8", L-80, 4.7#, EUE, 8rd tbg. EOT @ 7,390'. RU pwr swivel. SWI & SDFN. 3,693 BLWTR.

1/14/2009 OWU @ 07:00. FTP 1,000 psig, SICP 1,900 psig. F. 0 BO, 312 BLW, 10 hrs, FTP 1,000 - 700 psig, SICP 1,900 - 1,350 psig, 32-24/64" ck. Rets of tr sd, gas, wtr. 3,041 BLWTR ttl. MV perfs f/7,946' - 8,744'.

1/15/2009 FTP 700 psig, SICP 1,300 psig. F. 0 BO, 360 BLW, 24 hrs, FTP 700 - 350 psig, SICP 1,300 - 650 psig, 24/64" ck. Rets of tr sd, gas, wtr. 2,681 BLWTR ttl. MV perfs f/7,946' - 8,744'.

1/16/2009 FTP 350 psig, SICP 600 psig. F. 0 BO, 150 BLW, 24 hrs, FTP 350 - 200 psig, SICP 600 - 500 psig, 24/64" ck. Rets of tr sd, gas, wtr. 2,531 BLWTR ttl. MV perfs f/7,946' - 8,744'.

1/17/2009 FTP 200 psig, SICP 500 psig. F. 0 BO, 76 BLW, 24 hrs, FTP 200 - 300 psig, SICP 500 - 450 psig, 24-18/64" ck. Rets of tr sd, gas, wtr. 2,455 BLWTR ttl. MV perfs f/7,946' - 8,744'.

1/18/2009 FTP 300 psig, SICP 450 psig. F. 0 BO, 67 BLW, 24 hrs, FTP 300 - 250 psig, SICP 450 - 350 psig, 18-24/64" ck. Rets of tr sd, gas, wtr. 2,388 BLWTR ttl. MV perfs f/7,946' - 8,744'.

1/19/2009 FTP 100 psig, SICP 350 psig. F. 0 BO, 26 BLW, 15 hrs, FTP 100 - 300 psig, SICP 350 - 450 psig, 24-18-12/64" ck. Rets of tr sd, gas, wtr. 2,362 BLWTR ttl. MV perfs f/7,946' - 8,744'. SWI @ 09:00. Rpts suspd until further activity.

Job Contacts

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

| DIVISION OF OIL, | 5. LEASE DESIGNATION AND SERIAL NUMBER: U-035316 | | |
|--|--|------------------------------------|---|
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| 1. TYPE OF WELL OIL WELL GAS WELL | OTHER | | 8. WELL NAME and NUMBER: RBU 22-10E |
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| 382 CR 3100 _{CFTY} AZTEC | STATE NM ZIP 87410 | (505) 333-3100 | NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2064' FNL x 1241' FWL | | | COUNTY: UINTAH |
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| (Submit in Duplicate) ALTER CASING | FRACTURE | TREAT | SIDETRACK TO REPAIR WELL |
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| (Submit Original Form Only) | | | WATER CHILT OFF |
| Date of work completion: CHANGE WELL STATE COMMINGLE PRODUC | | ON (START/RESUME) ION OF WELL SITE | WATER SHUT-OFF |
| 1/31/2009 CONVERT WELL TYPE | | ETE - DIFFERENT FORMATION | ✓ other: February 09 MONTHLY REPORT |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. | Clearly show all pertinent details in | cluding dates, depths, volume | s, etc. |
| | | | |
| XTO Energy Inc. has nothing to report on this | well for the period of 2/1/ | 2009 thru 2/28/2009 | |
| | | | |
| | | | |
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| | | | |
| | | | |
| | | | |
| | | | |
| NAME (PLEASE PRINT) EDEN FINE | TITI | REGULATORY C | LERK |
| NAME (CLASE PRINT) | | · | |
| SIGNATURE | DA1 | 3/4/2009 | |

(This space for State use only)

RECEIVED MAR 0 9 2009

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

DOGM CO

| _ | | QM | ΒN | Ю. 1 | 1004 | -01; | , |
|---|----|-----------|------|------|------|------|---|
| 1 | P١ | OM Exp | ires | hil | /31. | 201 | 0 |
| _ | نب | | | | , | | _ |

FORM APPROVED

| DOILLING OF | | 5. Lease Serial No. |
|--|---|--|
| SUNDRY NOTICES | AND REPORTS ON WELLS | U-035316 |
| Do not use this form for paper abandoned well. Use Form | proposals to drill or to re-enter an n 3160-3 (APD) for such proposals. | 6. If Indian, Allottee or Tribe Name |
| SUBMIT IN TRIPLICAT | E - Other instructions on page 2 | 7. If Unit or CA/Agreement, Name and/or No RIVERHEND UNIT |
| I. Type of Well Oil Well X Gas Well Other | de contracto de la contracto de | 8. Well Name and No. RBU 22-10E |
| 2. Name of Operator | | |
| XTO ENERGY INC. 3a. Address | 3b. Phone No. (include area code) | 9. API Well No. |
| 382 CR 3100 AZTEC, NM 87410 | 505-333-3100 | 43-047-38588 10. Fleid and Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey in | | NATURAL BUTTES MESAVERDE |
| • | SEC 10-T105-R19E | 11. County or Parish, State |
| | piece MA . Gode. grante | UINTAH UTAH |
| 12. CHECK APPROPRIATI | BOX(ES) TO INDICATE NATURE OF NOTICE, RI | |
| TYPE OF SUBMISSION | TYPE OF ACTI | ON |
| Notice of Intent Subsequent Report Final Abandonment Notice | Alter Casing Fracture Trept Recis Casing Repair New Construction Reco | mation (Start/Resume) Water Shut-Off Well Integrity mplete X Other 1ST DELIVERY myrarily Abandon r Disposal |
| If the proposal is to deepen directionally or recome Attach the Bond under which the work will be pe following completion of the involved operations, testing has been completed. Final Abandoument determined that the final site is ready for final inspe | | te vertical depths of all pertinent markers and zones, ired subsequent reports shall be filed within 30 days in a new interval, a form 3160-4 shall be filed once mation, have been completed, and the operator has |
| XTO Energy Inc. 1st delivered th | is well to Questar Gas Management @ 1400 b | ours on Monday, 3/30/2009. |
| IFR 1.4 MMCF. | | |
| XTO Allocation Meter # RS1581RF. | | |
| | RECEN | VED |
| | Mat 2 1 | MAAA |
| | | |

MAIL 5 1 2019

DIV. OF OIL, GAS & MINING

| I hereby certify that the foregoing is true and correct Name (Printed/Typed) BARBARA A. NICOL. | Title | REGULATORY | CLERK | 5501 |
|--|-----------|----------------------------|---------------------------|--------------------------------|
| Signature Banbara a. Nicol | Date | 3/31/2009 | | |
| THIS SPACE FOR FEDER | AL OR | STATE OFFICE | JSE | |
| Approved by | T | ille | | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | at O | ffice | | |
| Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person | knowingly | and willfully to make to a | ny department or agency o | f the United States any false, |

DOGM COPY fletitious or fraudulent statements or representations as to any matter within its jurisdiction.

| | V STATE OF UTAH |
|-------------------|---------------------------------|
| APR 06 2009 | DEPARTMENT OF NATURAL RESOURCES |
| , , , , , , | DIVISION OF OIL, GAS AND MINING |
| ULATORY COMPLIANC | DIVISION OF OIL, GAS AND MINING |

| REC | BULATORY COMPLIANCE | U-035316 | | |
|--|--|---|--|--|
| | SUNDRY | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A | | |
| Do n | ot use this form for proposals to drill ne drill horizontal lai | 7. UNIT OF CA AGREEMENT NAME: RIVERBEND UNIT | | |
| 1. TY | PE OF WELL OIL WELL | 8. WELL NAME and NUMBER: RBU 22-10E | | |
| | ME OF OPERATOR: O ENERGY INC. | 9. API NUMBER: 4304738588 | | |
| 3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100 | | | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2064' FNL x 1241' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 10 10S 19E S UTAH | | | | |
| 11. | CHECK APPF | OPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO | RT, OR OTHER DATA | |
| | TYPE OF SUBMISSION | TYPE OF ACTION | | |
| П | NOTICE OF INTENT | ACIDIZE DEEPEN | REPERFORATE CURRENT FORMATION | |
| ш. | (Submit in Duplicate) | ALTER CASING FRACTURE TREAT | SIDETRACK TO REPAIR WELL | |
| | Approximate date work will start: | CASING REPAIR NEW CONSTRUCTION | TEMPORARILY ABANDON | |
| | | CHANGE TO PREVIOUS PLANS OPERATOR CHANGE | TUBING REPAIR | |
| | | CHANGE TUBING PLUG AND ABANDON | VENT OR FLARE | |
| \checkmark | SUBSEQUENT REPORT (Submit Original Form Only) | CHANGE WELL NAME PLUG BACK | WATER DISPOSAL | |
| | Date of work completion: | CHANGE WELL STATUS PRODUCTION (START/RESUME) | WATER SHUT-OFF | |
| | Date of work completion. | COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE | ✓ other: March 09 | |
| | | CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION | MONTHLY REPORT | |
| | | AND STED OPERATIONS. Cloocky above all portinent details including dates, denths, volum | and the | |

Attached is XTO Energy's monthly report for the period of 3/1/2009 thru 3/31/2009

| NAME (PLEASE PRINT) EDEN FINE | TITLE | REGULATORY CLERK |
|-------------------------------|-------|------------------|
| SIGNATURE | DATE | 4/3/2009 |
| | | |

(This space for State use only)

RECEIVED APR 28 2009

EXECUTIVE SUMMARY REPORT

3/1/2009 - 3/31/2009 Report run on 4/3/2009 at 9:30 AM

Riverbend Unit 22-10E

Section 10-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 11/6/2008 Method of Production: Flowing

3/30/2009

The Riverbend Unit 22-10E was delivered to Questar Gas Management through the Tap 1 CDP on Monday, March 30, 2009 @ 2:00 p.m. IFR 1.4 mmcf. Tbg press 2760 psig. Csg press 2800 psig. 9/64" choke size. This well is on Route 201. XTO Allocation Meter # RS1581RF. Address 114. Group 10. Tap 1 CDP # 287504.

Form 3160-5 (August, 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

| FORM A | PPROVED |
|---------|-----------|
| OMB No. | 1004-0135 |

Expires: November 30, 2000

| 5. | Lease | Serial | No. | |
|----|-------|--------|-----|--|

U-035316

| 5. I | f Indian, | Allottee | or | Tribe | Name |
|------|-----------|----------|----|-------|------|
|------|-----------|----------|----|-------|------|

N/A

| | 1 1 | |
|--|---|--|
| SUBMIT IN TRIPLICATE - Other) | nstructions on reverse side | 7. If Unit or CA/Agreement, Name and/or No. |
| 1. Type of Well | | 891016035-A |
| Oil Well X Gas Well Other | | 8. Well Name and No. |
| 2. Name of Operator | | RBU 22-10E |
| XTO Energy, Inc. | | 9. API Well No. |
| 3a. Address | 3b. Phone No. (include area code) | 43-047-38588 |
| 978 North Crescent Road, Roosevelt, UT. 8406 | 6 435-722-4521 | 10. Field and Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Descripti | ion) | , |
| 2064' FNL & 1241' FWL, SW/NW, SEC 10, 10S, 19E | | Natural Buttes |
| | | 11. County or Parish, State |
| | | Uintah County, Utah |
| - Committee of the comm | | |
| 12. CHECK APPROPRIATE BOX(ES) TO I | NDICATE NATURE OF NOTICE, RE | EPORT OR OTHER DATA |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| Notice of Intent Acidize | Deepen Production | (Start/Flesume) Water Shut-Off |
| Altering Casing | g Fracture Treat X Reclamation | Well Integrity |
| X Subsequent Report Casing Repair | New Construction Recomplete | |
| Change Plans | Plug and Abandon Temporarily | |
| Final Abandonment Notice Convert to Inje | | |
| | — • — — • • • • • • • • • • • • • • • • | |
| Describe Proposed or Completed Operation (clearly state all If the proposal is to deepen directionally or recomplete horiz Attach the Bond under which the work will be performed or following completion of the involved operations. If the operatesting has been completed. Final Abandonment Notices determined that the site is ready for final inspection.) | contaily, give subsurface locations and measured provide the Bond No. on file with BLM/BIA. Reation results in a multiple completion or recompleti | and true vertical depths of all pertinent markers and zones. squired subsequent reports shall be filed within 30 days. |

Reserve pit reclaimed & reseeded on 2/19/2009

RECEIVED

MAY 2 7 2000

DIV. OF OIL, GAS & MINING

| 14. I hereby certify that the foregoing is true and correct Name (Printed Typed) | | | |
|--|-----------|----------------------------|--------|
| Heather Meek | Title | Regulatory Compliance Tech | nician |
| Signature Heather Week | Date | | |
| A STANDARD BY BY A STANDARD BY A STANDARD BY BY A STANDARD | e actions | | |
| Approved by | Title | | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office | | 1 1 |

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-4 (August 2007)

UNITED STATES , DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 COPY Expires July 31, 2010

| | WEL | L COMI | PLETION (| R REC | OMPLE | TION R | EPOR1 | Γ AND LO | G | | 5 | . Lease Ser | ial No. | | |
|-------------------------------------|--------------------------------------|-----------------------|--------------------|-------------------------|----------------------------|---------------------------|--------------------|---------------------------------------|-----------------|--|----------|---------------|--------------|---------------------------------------|--|
| la. Type | | | | | | | | | _ | | | <u>U-0353</u> | | | |
| та. тур | e or well | | ell X Gas | | | Other | | | | | 6 | | Allotee | or Tribe Name | |
| b. Туре | of Completion | - | New Well | Wor | k Over | Deepe | n [| Plug Back | I | Diff.Resvr,. | 7 | | - | ment Name and No. | |
| 2. Name | of Operator | | | | | | | | | | | . Lease Nan | | | |
| | ergy Inc. | | | | | | | | | | - [| RBU 22 | | veli ivo. | |
| 3. Addre | | | | | | | 3a. | Phone No. (| (include | area code) | 9 | API Well | | | |
| 382 CE 4. Locati | R 3100 A: ion of Well <i>(Rep</i> | ztec, N | <u>M 87410</u> | l in accorde | mea with | Fadoval v | aguiron. | 505~3 | 333 - 3: | 100 | | 43-047 | -3858 | 8 | |
| At surf | | | | | ince wiin | reaerar | · | CEIV | ED | 5 | 10 | | | Exploratory | |
| | 2,004 | FNL & | 1,241' F | ΜŢ³ | | | 111 | .OLIV | | ŝ | 11 | Sec. T. F | L BUL | TES - MESAVER r Block and | |
| At top i | prod. interval re | ported be | low | | | * | ΔΡ | R 132 | nna | | | Survey or | Area | | |
| | | | | | | | | | | | 12 | .County or | | -T10S-R19E | |
| At total | depth 2,5 | 7 <mark>a</mark> FN | L & 2,321 | 'FWL D | er Hs | SM [®] D | IV. OF (| OIL. GAS & | MININ | lG | - 1 | INTAH | | 1 | |
| 14. Date | Spudded | 15. Da | ate T.D. Reac | hed | <u>C, 1, 1</u> | [16. E | Date Com | npleted | | | | | ns (DF, I | RKB, RT, GL)* | |
| | | | | | | |] D & A | · | Ready | to Prod. | | | (, - | ,, 02) | |
| | 5/2008 | 12 | 2/5/2008 | | | | 3/30 | /2009 | | | | 5,0021 | GL | | |
| 18. Total | Depth: MD | 9,0 | | Plug Bac | | | 9,0 | | 20. | Depth Bridg | ge Pluş | g Set: M | ID | | |
| 21 Trans | TVD | 891 | | (0.1.) | | TVD | <u> </u> | 49 | | | | | VD | | |
| 21. 1ype | Electric & Othe | r Mechan | ical Logs Run | (Submit co | py of eac | h) | | | 1 | as well core | d? | X No | □ ' | Yes (Submit analysis) | |
| CTRT. • C | P/CV/GR; I | אריי שראד | /CNI. UDI Z | /cm - 110 | T 7 / CDT / | + | | | | /as DST run | | X No | | Yes (Submit report | |
| 23. Casing | g and Liner Rec | ord (Reno | rt all strings | set in well) | LA/CN/ | יד | | | <u> </u> | Pirectional Su | rvey? | No | X Y | Yes (Submit copy) | |
| | | | T | | | Stage Ce | menter | No.of Sk | c &r | Slurry Vo | al I | | | | |
| Hole Size | Size/Grade | Wt.(#ft.) | | | | Dep | | Type of Ce | ement | (BBL) | | Cement T | Гор* | Amount Pulled | |
| 20" | 14/A252A | 36.75 | # 0 | 64 | · <u>'</u> | | | 63/Redi | imix | ··- | | SURI | F | ļ | |
| 2-1/4" | 9.6/J-55 | 36# | 0 | 2,3 | 18' | | | 240/Type | III e | | | SURI | F | <u> </u> | |
| | Ħ | 11 | " | - 11 | | | | 275/ | G | | | SURI | F | | |
| -7/8" | 5.5/N-80 | 17# | 0 | 9,0 | 52' | | | 990/G 6 | 5/35 | | | 500 | 1 | | |
| | | | | | | | | | | | | | | | |
| , . <u></u> | | | | | | | | | | | | | | | |
| 4. Tubing | g Record | | | | | | | | | | | | | | |
| Size | Depth Set (| | acker Depth (M | (D) S | ize | Depth Se | et (MD) | Packer De | pth (MD) | Size | | Depth Set | (MD) | Packer Depth (MD | |
| 2-3/8" | 8,689 | <u>'</u> | | | | | | | | | | | | | |
| 3. Produc | | | | | | 26. Perfo | | | | | | | | | |
| ` | Formation | | Тор | Boti | | Perforated Interval Size | | | | | | | Perf. Status | | |
| .) | MESAVERD | E | 7,946' | 8,7 | 44' | 7,9 | 46' - | 8,744' | | 0.36" | | 161 | | OPEN | |
|)) | | | | - - | | | | | | | | | | | |
| | | | | | | ·· | | | | | | | ļ | | |
|) | | | | | | | | | | | | | <u> </u> | | |
| | Fracture, Treatr | nent, Cem | ent Squeeze, | Etc. | | | - | ··· | | | | | | | |
| | Depth Interval | | | | | | | Amount and | | | | | | | |
| 7,94 | 6' - 8,744 | <u>'</u> | | ,470 ga | | | | | | | | | | oam gelled | |
| | | | | | | | 2% KC | l wtr car | rrying | 275,70 | 0# E | remium | White | 20/40 sand | |
| | - | | coated | w/Expe | dite I | ite. | | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| | ion - Interval A | , | | , , , , | | | | | | | | | | | |
| Pate First roduced 30/2009 | Test Date 4/1/2009 | Hours Tested 24 | Test Production | Oil BBL 16 | Gas MCF 1,084 | Water BBL 51 | Oil Gra Corr. A | vity .PI (| Gas Gravity | Produ | uction l | Method | FLOWI | חאוכי | |
| hoke | Tbg. Press. | Csg. | 24 | Oil | Gas | Water | Gas: O | oil , | Well State | us | | | | | |
| ^{ize} 15/64" | Flwg. SI 1,250 | Press. | Hr. | BBL 16 | MCF 1,084 | BBL 51 | Ratio | | - |)D\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(| n~i | | | | |
| | tion-Interval B | | | 1 10] | ±,004 | 77_ | | L | | RODUCIN | U | | | | |
| | | T | Test | Oil | Gas | Water | Oil Grav | vity (| Gas | Produ | action N | Method | ···· | | |
| | Test | Hours | I est | | | | | | | | | | | | |
| | Test Date | Hours Tested | Production | BBL | MCF | BBL | Corr. A | | Gravity | | | victiod | | | |
| roduced hoke | Date Tbg, Press. | Tested Csg. | | | MCF Gas | | Gas: O | Pl | | | | | · | | |
| ate First roduced hoke ize | Date | Tested | Production | BBL | | BBL | ļ | Pl | Gravity | ıs | | DGM_ | | | |

| .Production | on - Interva | I C | | | | | ≻ | -r | | · · · · · · · · · · · · · · · · · · · |
|--------------------|--------------------------------|-----------------|----------------------------------|--|-------------|----------------|-----------------------------|---------------------|---------------------------------------|---------------------------------------|
| te First oduced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method | |
| ke | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Status | | |
| Producti | ion-Interval | D | 1 | .) | | l - | _ | | | |
| First luced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method | |
| ке | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Status | 1 | |
| Dispositio | SI on of Gas (So | old, used for t | uel, vented, e | tc.) | <u> </u> | | <u> </u> | | | |
| | | | ude Aquifers) | | | TO BE | SOLD | 21 Farmet | ion (Log) Markers | |
| Show all | important zor depth interva | nes of porosity | and contents to an used, time to | hereof: Co | | | | JI. Tollilat | ion (Log) Markers | |
| | | | | | | | | | | Тор |
| Formati | ion | Тор | Bottom | | Descri | iptions, Co | ntents, etc. | | Name | Meas.Depth |
| - | | | | | . — | | | GREEN RI | IVER | 1,357 |
| | | 1 | | | | | | MAHOGEN'S | Y BENCH | 2,191 |
| | | - | | | | | | WASATCH | TONGUE | 4,438 |
| | | | | | | | | 1 | LIMESTONE | 4,818 |
| | | | | | | | | WASATCH | | 4,957 |
| | | | | | | | | CHAPITA | WELLS | 5,833 |
| | | | | | | | | UTELAND | | 7,161 |
| | 1 | | | | | | | MESAVERI | | 7,945 |
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| Addition | al remarks (| (include plug | ging procedu | re): | | | | | | |
| Indicate | which items | s have bee at | tached by pla- | cing a che | ck in the a | ppropriate | boxes: | | · · · · · · · · · · · · · · · · · · · | |
| _ | | | full set req'd) | | | ogic Repor | | ort Direct | ional Survey | |
| = | | | d cement veri | <u>L</u> | Core | Analysis | Other: | | | |
| - - | - | | | | | | | | | |
| | certify that | the foregoin | g and attache | d informa | tion is com | plete and | correct as determin | ned from all availa | ble records (see attached in | nstructions)* |
| l hereby | agea nrint) | BARBAR | A A. NICC | L | | | Т | itle REGULAT | ORY CLERK | |
| | suse printi | | | 2 4 | 13.44 | 7 | - | | | |
| Name <i>(ple</i> | R) | 10/-11 | 00 - / | / // | 1/1/~/1 1/ | | | | | |
| | Ra | rlar | w C | (<u> / </u> | ncoe | | r | Date 4/7/200 | 9 | |
| lame <i>(ple</i> | Ba | rlar | w (| <u>(. / , </u> | <u>MCOL</u> | | r | Pate <u>4/7/200</u> | 9 | |

(Form 3160-4, page 2)

(Continued on page 3)

DIRECTIONAL SURVEY REPORT

XTO ENERGY

RBU 22 – 10E

UINTAH COUNTY, UT

PREPARED BY: Matt Loucks

December 12, 2008

XTO ENERGY 2700 Farmington Ave Bldg K, Suite 1 Farmington, NM 87401

Attn: John Egelston

RE:

XTO ENERGY

RBU 22 – 10E Uintah Co., UT

RIG:

Frontier 6

FILENAME: 101008046-WY-WY

Dear Sir:

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was ran.

SURVEY DATA

- 1 Original survey report and plot
- 2 Survey report copies and plots

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (307) 265-3145.

Sincerely,

Matt Loucks MWD Coordinator PathFinder Energy Services

DIRECTIONAL SURVEY COMPANY REPORT:

- 1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
- 2. NAME OF PERSON(S) PERFORMING SURVEY:
 - A. Jode Torske

В.

- 3. POSITION OF SAID PERSON(S): (A) SURVEYOR FIELD ENGINEER(s).
- 4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 11-22-08TO 11-29-08
- 5. STATE IN WHICH SURVEY WAS PERFORMED: ONSHORE, UTAH
- 6. LOCATION OF WELL: UINTAH CO., UT
- 7. TYPE OF SURVEY(S) PERFORMED: MWD
- 8. COMPLETE IDENTIFICATION OF WELL:

XTO ENERGY

RBU 22 - 10E

Uintah Co., UT

RIG:

Frontier 6

- 9. SURVEY CERTIFIED FROM: 176 TO 5,223 FEET MEASURED DEPTH.
- 10. THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 1,126.56 FEET ON A BEARING OF 107.85 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT PROJECTED MEASURED DEPTH OF 5,278 FEET ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

MATT LOUCKS

MWD COORDINATOR

Page 01/03

Tie-in Date: 11/22/2008 .
Date Completed: 11/29/2008

PathFinder Energy Services, Inc.

XTO Energy RBU 22-10E Uintah COUNTY, Utah Rig:Fronter 6

PathFinder Office Supervisor: Rich Arnold PathFinder Field Engineers: Jode Torske

Survey Report

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:39.57.48.8412 N LON:109.46.27.3108 W
GRID Reference:NAD83 utah central Lambert
Ref GRID Coor: X: 2124086.2617 Y: 7160119.1234
North Aligned To:TRUE NORTH
Total Magnetic Correction:11.50° EAST TO TRUE
Vertical Section Plane: 107.27
Survey Vert. Reference: 24.00' Rotary Table To Ground
Altitude:5002.00' Ground To MSL

Survey Calculations by PathCalc v1.99 using Minimum Curvature

| Measured Depth | inci | Drift Dir. | TVD | Course Length | Vertical Section | | TAL llar Offsets | Clos Dist | | DLS |
|-------------------|------------|---------------|------------|------------------|---------------------|---------|---------------------|----------------|--------|------------|
| - | (dog) | | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) (| | (dg/100ft) |
| (ft) | (deg) | (deg) | (11) | (11) | (11) | (11) | (11) | (11) | ueg) | (ug/100it) |
| TIE | INTO SURFA | CE. | | | | | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.00 | 0.00 | 0.00 | 0.00@ | 0.00 | 0.00 |
| THE | FOLLOWING | ARE PATH | FINDER MWI | SURVEYS. | | | | | | |
| 176.00 | 0.44 | 96.14 | 176.00 | 176.00 | 0.66 | 0.07 S | 0.67 E | 0.68@ | 96.14 | 0.25 |
| 206.00 | 0.62 | 103.96 | 206.00 | 30.00 | 0.94 | 0.12 S | 0.94 E | 0.95@ | 97.47 | 0.65 |
| 238.00 | 1.06 | 108.44 | 237.99 | 32.00 | 1.41 | 0.26 S | 1.39 E | 1.42@ | 100.54 | 1.39 |
| 269.00 | 1.41 | 118.11 | 268.99 | 31.00 | 2.07 | 0.53 S | 2.00 E | 2.07@ | 104.82 | 1.31 |
| 299.00 | 1.76 | 120.66 | 298.97 | 30.00 | 2.88 | 0.94 S | 2.72 E | | 109.01 | 1.19 |
| 329.00 | 2.29 | 111.43 | 328.96 | 30.00 | 3.92 | 1.39 S | 3.68 E | 3.93@ | 110.74 | 2.07 |
| 359.00 | 2.81 | 115.21 | 358.93 | 30.00 | 5.25 | 1.92 S | 4.90 E | | 111.44 | 1.82 |
| 390.00 | 3.34 | 115,12 | 389.88 | 31.00 | 6.90 | 2,63 S | 6.41 E | | 112.33 | 1.71 |
| 420.00 | 3.87 | 116.00 | 419.82 | 30.00 | 8.76 | 3.45 S | 8.11 E | | 113.03 | 1.78 |
| 450.00 | 4.40 | 121.18 | 449.74 | 30.00 | 10.88 | 4.49 S | 10.00 E | 10.96@ | 114.16 | 2.16 |
| 480.00 | 5.10 | 125.05 | 479.64 | 30.00 | 13.27 | 5.85 S | 12.08 E | 13.42@ | | 2.56 |
| 510.00 | 5.72 | 122.15 | 509.51 | 30.00 | 15.98 | 7.41 S | 14.43 E | 16.23@ | | 2.26 |
| 542.00 | 6.42 | 117.58 | 541.33 | 32.00 | 19.29 | 9.09 S | 17.37 E | 19.60@ | 117.61 | 2.66 |
| 572.00 | 7.21 | 116.17 | 571.12 | 30.00 | 22.80 | 10.69 S | 20.55 E | 23.16@ | 117.49 | 2,69 |
| 603.00 | 8.18 | 116.26 | 601.84 | 31.00 | 26.90 | 12.53 S | 24.27 E | 27.31@ | | 3.13 |
| 633.00 | 8.97 | 115.03 | 631.50 | 30.00 | 31.32 | 14.46 S | 28.30 E | 31.78@ | | 2.70 |
| 664.00 | 9.85 | 113.98 | 662.08 | 31.00 | 36.35 | 16.56 S | 32.92 E | 36.85 <u>@</u> | | 2.89 |
| 695.00 | 10.64 | 111.34 | 692.59 | 31.00 | 41.84 | 18.68 S | 38.01 E | 42.35@ | 116.17 | 2.96 |
| 725.00 | 11.26 | 107.39 | 722.04 | 30.00 | 47.53 | 20.56 S | 43.38 E | 48.01@ | | 3.24 |
| 817.00 | 14.68 | 103.34 | 811.68 | 92.00 | 68.15 | 25.94 S | 63.30 E | 68.41@ | | 3.84 |
| 878.00 | 16.80 | 103.17 | 870.39 | 61.00 | 84.65 | 29.73 S | 79.41 E | 84.79@ | | 3.48 |
| 940.00 | 16.88 | 103.17 | 929.73 | 62.00 | 102.57 | 33.82 S | 96.90 E | 102.63@ | 109.24 | 0.13 |
| 1032.00 | 17.67 | 103.25 | 1017.58 | 92.00 | 129.82 | 40.07 S | 123.49 E | 129.83@ | | 0.86 |
| 1128.00 | 18.20 | 102.46 | 1108.92 | 96.00 | 159.29 | 46.64 S | 152,31 E | 159.29@ | | 0.61 |

PathFinder Energy Services, Inc. Survey Report

XTO Energy RBU 22-10E Uintah COUNTY, Utah RIG:Frontier 6

Page 02/03

| | | | | | | | | | | | |
|----------|-------|--------|---------|--------|------------------|----------|----------------------|--------------------|--------|--------------|------|
| Measured | Incl | Drift | TVD | Course | Vertical | TO | TAL | Clos | ure | DLS | |
| Depth | IIIGI | Dir. | 140 | Length | Section | | lar Offsets | Dist | | DLO | |
| (ft) | (deg) | (deg) | (ft) | (ft) | (ft) | (ft) | (ft) | | deg) | (dg/100ft) | |
| 1221.00 | 18.82 | 103.52 | 1197.11 | 93.00 | 188.73 | 53.28 S | 181.08 E | 188.76@ | 106.40 | 0.76 | |
| 1317.00 | 18.91 | 103.52 | 1287.95 | 96.00 | 219.68 | 60.12 S | 211.36 E | 219.74@ | | 0.54 | |
| 1412.00 | 18.64 | 101.54 | 1377.90 | 95.00 | 250.15 | 66.85 S | 241.18 E | 250.27@ | 105.49 | 0.61 | |
| 1505.00 | 18.73 | 103.32 | 1466.00 | 93.00 | 279.87 | 73.71 S | 270.17 E | 280.05@ | | 0.18 | |
| 1303.00 | 10.75 | 100.00 | 1400.00 | 33.00 | 210.01 | 70.7 1 0 | 2:0 | 200.00@ | 100.20 | 0.10 | |
| 1603.00 | 18.20 | 105.89 | 1558.95 | 98.00 | 310.87 | 81.46 S | 300.22 E | 311.07@ | 105.18 | 1.06 | |
| 1697.00 | 17.41 | 107.56 | 1648.45 | 94.00 | 339.61 | 89.72 S | 327.75 E | 339.81@ | 105.31 | 1.00 | |
| 1792.00 | 17.06 | 109.41 | 1739.18 | 95.00 | 367.74 | 98.64 S | 354.44 E | 367.91@ | 105.55 | 0.68 | |
| 1886.00 | 15.30 | 111.08 | 1829.46 | 94.00 | 393.90 | 107.68 S | 379.02 E | 394.02@ | 105.86 | 1.94 | _ |
| 4004.00 | 45.00 | 400.05 | 4004.00 | 05.00 | 440.00 | 440 45 6 | 402.50 E | 440.04@ | 106.14 | 0.34 | |
| 1981.00 | 15.30 | 109.85 | 1921.09 | 95.00 | 418.93 | 116.45 S | 402.50 E 426.81 E | 419.01@ 444.85@ | 106.14 | 0.34 0.75 | |
| 2077.00 | 16.00 | 110.46 | 2013.53 | 96.00 | 444.79 | 125.37 S | 426.61 E 452.65 E | 472,31@ | 106.57 | 1.39 | |
| 2173.00 | 17.32 | 109.85 | 2105.50 | 96.00 | 472.28 500.40 | 134.85 S | 452.65 E 479.16 E | 500.42@ | | 0.21 | |
| 2268.00 | 17.15 | 109.49 | 2196.23 | 95.00 | 500.40 | 144.33 S | 4/9.16 E | 500,42@ | 100.76 | 0.21 | |
| 2280.00 | 17.15 | 109.49 | 2207.70 | 12.00 | 503.94 | 145.51 S | 482.49 E | 503.96@ | 106.78 | 0.01 | |
| 2396.00 | 17.85 | 110.81 | 2318.33 | 116.00 | 538.77 | 157.53 S | 515,23 E | 538.78@ | 107.00 | 0.69 | |
| 2523.00 | 19.35 | 107.65 | 2438.70 | 127.00 | 579.24 | 170.83 S | 553.48 E | 579.24@ | 107.15 | 1.42 | |
| 2651.00 | 18.73 | 106.77 | 2559.69 | 128.00 | 621.00 | 183.18 S | 593.37 E | 621.00@ | 107.16 | 0.53 | |
| | | | | 40= 00 | 222.42 | | 204 20 5 | 000 400 | 407.44 | 0.00 | |
| 2778.00 | 17.50 | 105.89 | 2680.40 | 127.00 | 660.48 | 194.30 S | 631.26 E | 660.48@ | 107.11 | 0.99 | |
| 2905.00 | 17.06 | 107.82 | 2801.67 | 127.00 | 698.20 | 205.23 S | 667.36 E | 698.20@ | 107.09 | 0.57 | |
| 3032.00 | 18.11 | 108.26 | 2922.73 | 127.00 | 736.56 | 217.11 S | 703.84 E | 736.56@ | 107.14 | 0.83 | |
| 3159.00 | 17.59 | 106.07 | 3043.62 | 127.00 | 775.48 | 228.61 S | 741.02 E | 775.49@ | 107.15 | 0.67 | |
| 3287.00 | 16.97 | 108.35 | 3165.84 | 128.00 | 813.50 | 239.84 S | 777.34 E | 813.50@ | 107.15 | 0.72 | |
| 3413.00 | 16.27 | 110.11 | 3286.58 | 126.00 | 849.51 | 251.70 S | 811.37 E | 849.51@ | 107.23 | 0.68 | |
| 3540.00 | 15.48 | 109.06 | 3408.73 | 127.00 | 884.22 | 263.35 S | 844.09 E | 884.22@ | 107.33 | 0.66 | |
| 3667.00 | 15.92 | 109.32 | 3530.99 | 127.00 | 918.57 | 274.65 S | 876.55 E | 918.57@ | 107.40 | 0.35 | |
| | | | | | | | | | | | |
| 3793.00 | 16.09 | 108.09 | 3652.11 | 126.00 | 953.30 | 285.79 S | 909.45 E | 953.30@ | 107.44 | 0.30 | |
| 3920.00 | 14.25 | 110.55 | 3774.68 | 127.00 | 986.50 | 296.74 S | 940.82 E | 986.51@ | | 1.53 | |
| 4015.00 | 11.87 | 108.35 | 3867.22 | 95.00 | 1007.95 | 303.92 S | 961.05 E | 1007.96@ | | 2.56 | |
| 4111.00 | 9.15 | 109.93 | 3961.60 | 96.00 | 1025.45 | 309.63 S | 977.60 E | 1025.46@ | 107.57 | 2.85 | |
| 4207.00 | 7.65 | 108.97 | 4056.57 | 96.00 | 1039.46 | 314.31 S | 990.82 E | 1039,47@ | 107.60 | 1.57 | |
| | | | | | | 3,0. 0 | 300.Q- - | | | | |

PathFinder Energy Services, Inc. Survey Report

XTO Energy RBU 22-10E Uintah COUNTY, Utah RIG:Frontier 6

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| Measured | Incl | Drift | TVD | Course | Vertical | | OTAL . | Closure | DLS |
|---------------|------------|---------------|-----------|----------------|-----------------|-----------------|----------------------|------------------------|------------|
| Depth (ft) | (deg) | Dir. (deg) | (ft) | Length (ft) | Section (ft) | Rectang (ft) | ular Offsets (ft) | Dist Dir (ft) (deg) | (dg/100ft) |
| 4301.00 | 6.16 | 107.74 | 4149.88 | 94.00 | 1050.76 | 317.88 S | 1001.54 E | 1050.77@ 107.61 | 1.59 |
| 4530.00 | 6.77 | 109.58 | 4377.42 | 229.00 | 1076.53 | 326.15 S | 1025.96 E | 1076.55@ 107.64 | 0.28 |
| 4701.00 | 8.44 | 109.41 | 4546.91 | 171.00 | 1099.14 | 333.70 S | 1047.29 E | 1099.17@ 107.67 | 0.98 |
| 4811.00 | 7.30 | 107.12 | 4655.88 | 110.00 | 1114.20 | 338.44 S | 1061.58 E | 1114.23@ 107.68 | 1.07 |
| 4873.00 | 4.92 | 109.41 | 4717.52 | 62.00 | 1120.79 | 340.48 S | 1067.86 E | 1120.82@ 107.68 | 3.86 |
| 4937.00 | 3.08 | 114.68 | 4781.36 | 64.00 | 1125.24 | 342,11 S | 1072.01 E | 1125.27@ 107.70 | 2.93 |
| 5034.00 | 0.44 | 199.49 | 4878.31 | 97.00 | 1127.81 | 343.55 S | 1074.25 E | 1127.85@ 107.73 | 3.17 |
| 5128.00 | 0.62 | 251.17 | 4972.31 | 94.00 | 1127.39 | 344.06 S | 1073.65 E | 1127.43@ 107.77 | 0.52 |
| 5223.00 | 0.79 | 216.90 | 5067.30 | 95.00 | 1126.75 | 344.75 S | 1072.77 E | 1126.80@ 107.82 | 0.47 |
| STRA | AIGHT LINE | PROJECTIO. | N TO BIT. | | | | | | |
| 5278.00 | 0.79 | 216.90 | 5122.30 | 55.00 | 1126.50 | 345.35 S | 1072.31 E | 1126.56@ 107.85 | 0.00 |

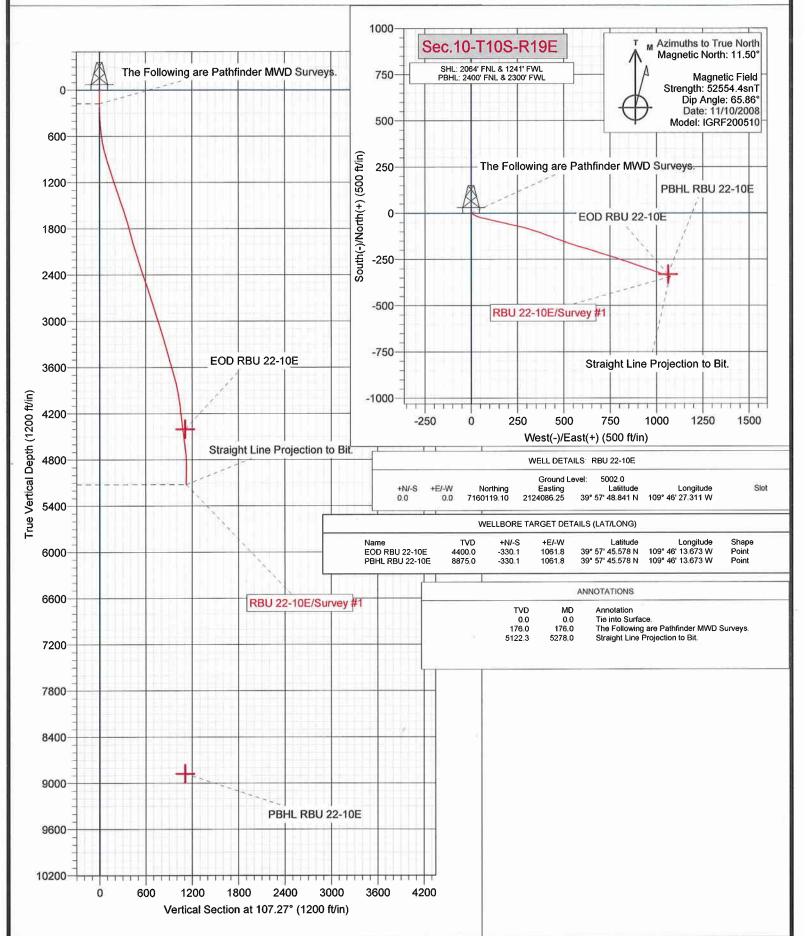


Company: XTO Energy Project: Uintah Co.,UT Site: Sec.10-T10S-R19E Well: RBU 22-10E

Wellbore: Wellbore #1



Survey: Survey #1 (RBU 22-10E/Wellbore #1)



| | STATE OF UTAH | | FORM 9 |
|---|---|--|--|
| | DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI | | 5.LEASE DESIGNATION AND SERIAL NUMBER: U-035316 |
| SUND | RY NOTICES AND REPORTS | ON WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. I | | 7.UNIT or CA AGREEMENT NAME: RIVER BEND |
| 1. TYPE OF WELL Gas Well | | | 8. WELL NAME and NUMBER: RBU 22-10E |
| 2. NAME OF OPERATOR: XTO ENERGY INC | | | 9. API NUMBER: 43047385880000 |
| 3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 8 | 7410 505 333-3159 Ext | PHONE NUMBER: | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2064 FNL 1241 FWL | | | COUNTY: UINTAH |
| QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 10 | IP, RANGE, MERIDIAN: 0 Township: 10.0S Range: 19.0E Meridian | : S | STATE: UTAH |
| 11. CHE | CK APPROPRIATE BOXES TO INDICA | TE NATURE OF NOTICE, REPORT, | OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | |
| | ACIDIZE | ALTER CASING | CASING REPAIR |
| NOTICE OF INTENT Approximate date work will start: | CHANGE TO PREVIOUS PLANS | CHANGE TUBING | CHANGE WELL NAME |
| Approximate date work will start: | ☐ CHANGE WELL STATUS | COMMINGLE PRODUCING FORMATIONS | CONVERT WELL TYPE |
| SUBSEQUENT REPORT Date of Work Completion: | DEEPEN | FRACTURE TREAT | NEW CONSTRUCTION |
| 6/24/2009 | OPERATOR CHANGE | PLUG AND ABANDON | PLUG BACK |
| SPUD REPORT | PRODUCTION START OR RESUME | RECLAMATION OF WELL SITE | RECOMPLETE DIFFERENT FORMATION |
| Date of Spud: | REPERFORATE CURRENT FORMATION | SIDETRACK TO REPAIR WELL | TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | VENT OR FLARE | WATER DISPOSAL |
| DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | SI TA STATUS EXTENSION | APD EXTENSION |
| | WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: PWOPL |
| 12. DESCRIBE PROPOSED OR CO | MPLETED OPERATIONS. Clearly show all pe | rtinent details including dates, depths, v | volumes, etc. |
| XTO Energy Inc. pu MIRU Production Lo blind box tls. Tagg broach. No ti spots. F chased to SN. POH & Lease operator drop | DMPLETED OPERATIONS. Clearly show all per lit this well on plunger lift per logging Services SLU. SN @ 86 led fill @ 8956'. POH & LD tls. POH & LD tls. POH & LD tls. PU & RIH w/ Fer & LD tls. RDMO Production Logd plngr. Computer set up for position 100 p.m. 6/24/09. Final PW | the following: 6/23/2009 587'. PU & RIH w/ 1.625" A PU & RIH w/ 1.908" tbg PU & RIH WITP OPL rpt. | Accepted by the Utah Division of L. Gas and Mining |
| Dolena Johnson | 505 333-3164 | Regulatory Compliance Tech | |
| SIGNATURE N/A | | DATE 9/21/2009 | |

| | STATE OF UTAH | | FORM 9 |
|--|--|--------------------------------|---|
| | DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN | | 5.LEASE DESIGNATION AND SERIAL NUMBER: U-035316 |
| SUND | RY NOTICES AND REPORTS | ON WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. U | | 7.UNIT or CA AGREEMENT NAME: RIVER BEND |
| 1. TYPE OF WELL Gas Well | | | 8. WELL NAME and NUMBER: RBU 22-10E |
| 2. NAME OF OPERATOR: XTO ENERGY INC | | | 9. API NUMBER: 43047385880000 |
| 3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 8 | | ONE NUMBER: | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2064 FNL 1241 FWL | | | COUNTY: UINTAH |
| QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 10 | IP, RANGE, MERIDIAN: O Township: 10.0S Range: 19.0E Meridian: | S | STATE: UTAH |
| 11. CHE | CK APPROPRIATE BOXES TO INDICAT | E NATURE OF NOTICE, REPORT, | OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | |
| | ACIDIZE | ALTER CASING | CASING REPAIR |
| Approximate date work will start: | ☐ CHANGE TO PREVIOUS PLANS | CHANGE TUBING | ☐ CHANGE WELL NAME |
| 8/20/2010 | ☐ CHANGE WELL STATUS | COMMINGLE PRODUCING FORMATIONS | CONVERT WELL TYPE |
| SUBSEQUENT REPORT | ☐ DEEPEN | FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| Date of Work Completion: | OPERATOR CHANGE | PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | RECLAMATION OF WELL SITE | ✓ RECOMPLETE DIFFERENT FORMATION |
| SPUD REPORT Date of Spud: | REPERFORATE CURRENT FORMATION | SIDETRACK TO REPAIR WELL | TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT | ☐ WATER SHUTOFF | SI TA STATUS EXTENSION | APD EXTENSION |
| Report Date: | ☐ WILDCAT WELL DETERMINATION | OTHER | OTHER: |
| l . | MPLETED OPERATIONS. Clearly show all per | | volumes, etc. |
| | I be recompleting to the Wasa attached procedure starting at | | Accepted by the |
| lile (| attached procedure starting at | Step #30. | Utah Division of |
| | | | Oil, Gas and Mining |
| | | _ | C 1 11 27 2670 |
| | | ט | ate: July 27, 2010 |
| | | В | y: 197 h Just |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| NAME (PLEASE PRINT) | PHONE NUMBER | | |
| Barbara Nicol | 505 333-3642 | Regulatory Compliance Tech | |
| SIGNATURE N/A | | DATE 7/23/2010 | |



The Utah Division of Oil, Gas, and Mining

- State of UtahDepartment of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047385880000 Board Cause No. 259-01

> Approved by the **Utah Division of** Oil, Gas and Mining

| RFM | |
|-----|--|
| TJF | |
| DLC | |

River Bend Unit #22-10E Surf Loc: Unit E, Sec 10, T10S, R19E BH Loc: Unit F, Sec 10, T10S, R19E Uintah County, Utah

Mesaverde Completion (4 Stages) & Wasatch Completion (4 Stages)

Cond csg: 14" conductor csg @ 64'. Cmt to surf.

Surf csg: 9-5/8", 36#, J-55, STC csg @ 2,318'. Circ cmt to surf.

Prod csg: 5-1/2", 17#, N-80, LTC csg @ 9,052'. FC @ 9,010'. MJ's @ 8,125' (4') & 4,931' (5').

Drift = 4.767". Capacity = 0.0232 bbls/ft.

Burst = 7,740 psi (Treating @ 80% = 6,192 psi).

Cement: 320 sx 65/35 G/POZ cmt w/0.2% Airout, 10% Bentonite, 1.0% CD-20, 0.25 PPS Cello-flake, 0.75% CR-1, 0.65% FL-200 & 1% Super Sil (mixed @ 11.6 ppg & 2.49 cuft/sk) lead slurry followed by 670 sx 65/35 Class G/Poz cmt w/6% Bentonite, 1/4 PPS Cello-flake, 0.2% CR-1, 0.6% FL-200, 3.0% KCL, & 1.0% Super Sil (mixed @ 13.0 ppg & 1.73 cuft/sk). Did not circ

cmt to surf. TOC @ 500'.

Formations: Mesaverde and Wasatch (well # 165661)

Completion Procedure

- 1. MI 5 500 bbl frac tanks and 1 flow back tank. Fill the frac tanks with 2% KCl water w/additives.
- 2. Cutoff 5-1/2" casing and weld on 5,000 psig WP tubing head. Pressure test the 5-1/2" casing to 2,500 psig for 30 minutes then test casing to 6,200 psig for 5 minutes. Record pressure test on chart.
- 3. NU frac valve.
- 4. MIRU wireline and mast truck. RU full lubricator.

5. Perf Mesaverde with a 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 41 holes). POH with csg gun & RDMO WL truck.

Mesaverde Perfs

| PERF | CCL |
|---------------|-----|
| 8,724'-8,744' | |

- 6. MIRU WH isolation tool. MIRU N2 frac equip.
- 7. Pressure test surface lines to 6,200 psig. Review treatment schedule with service company personnel and confirm treatment rate, stage fluid volumes, proppant volumes, type and amount of flush.
- 8. Breakdown formation and establish injection @ +/- 10 BPM. Spearhead 1,000 gals 7.5% HCl and frac Mesaverde perfs down 5-1/2" casing at 42 BPM. Pump 55Q N2 foam gelled fluid (Delta-R Foam Frac) w/65,000 lbs 20/40 Ottawa proppant coated with Expedite Lite. Over-flush (500 gals) by pumping 600 gals Water Frac G-R w/additives, 500 gals 7.5% NEFE HCl acid, and 7,900 gals Water Frac G-R w/additives. Record ISIP & 5" SIP.

| Stage 1 | Volume | <u>Fluid</u> | Conc. | Proppant/Balls | <u>N2</u> |
|--------------------------|--------|---------------------------------|-------------|---------------------|-----------|
| 1 – Acid | 1,000 | 7.5%_FE Acid-XTO | | | 0% |
| 2 - Pad | 7,250 | Delta-R Foam Frac (13) - Uintah | | | 55% |
| 3 - Proppant Laden Fluid | 3,250 | Delta-R Foam Frac (13) - Uintah | 0.5 lbm/gal | Premium White-20/40 | 55% |
| 4 - Proppant Laden Fluid | 3,250 | Delta-R Foam Frac (13) - Uintah | 1 lbm/gal | Premium White-20/40 | 55% |
| 5 - Proppant Laden Fluid | 7,300 | Delta-R Foam Frac (13) - Uintah | 2 lbm/gal | Premium White-20/40 | 55% |
| 6 - Proppant Laden Fluid | 15,175 | Delta-R Foam Frac (13) - Uintah | 3 lbm/gal | Premium White-20/40 | 55% |
| 7 - Flush | 600 | Water Frac G - R (20) | | | 0% |
| 8 - Acid | 500 | 7.5% FE Acid-XTO | | | 0% |
| 9 - Flush | 7,900 | Water Frac G - R (20) | | | 0% |

- 9. RD frac equip. RU WL truck.
- 10. SHUT WELL IN FOR A MINIMUM OF 15 MINUTES.

- 11. RIH w/5-1/2" composite bridge plug. Set 8K CBP @ ±8,705' (ensure 8K CBP is not set in a casing collar). POH w/setting tl.
- 12. Perf Mesaverde with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 46 holes). POH with csg gun & RD WL truck.

Mesaverde Perfs

| PERF | CCL | PERF | CCL |
|---------------|-----|---------------|-----|
| 8,670'-8,674' | | 8,647'-8,651' | |
| 8,661'-8,664' | | 8,634'-8,644' | |

- 13. RU frac equip. Pressure test surface lines to 6,200 psig. BD perfs with 2% KCl water and EIR. Acidize Mesaverde perfs from 8,634' 8,674' with 1,350 gals of 7.5% NEFE HCl acid and 69 Bioballs at 12 BPM down 5-1/2" csg. Flush with 8,575 gals 2% KCl water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. Ball-off acid. Surge balls back several times. Shut down for 20 minutes, allowing Bio-balls to dissolve.
- 14. Review treatment schedule with service company personnel and confirm treatment rate, stage fluid volumes, proppant volumes, type and amount of flush.
- 15. Frac Mesaverde perfs down 5-1/2" casing at 42 BPM. Pump 55Q N2 foam gelled fluid (Delta-R Foam Frac) w/100,000 lbs 20/40 Ottawa proppant coated with Expedite Lite. Over-flush (500 gals) by pumping 600 gals Water Frac G-R w/additives, 500 gals 7.5% NEFE HCl acid, and 7,800 gals Water Frac G-R w/additives. Record ISIP & 5" SIP.

| Stage 2 | Volume | <u>Fluid</u> | Conc. | Proppant/Balls | <u>N2</u> |
|--------------------------|--------|---------------------------------|-------------|---------------------|-----------|
| 1 – Acid | 1,350 | 7.5%_FE Acid-XTO | | | 0% |
| 2 – Flush | 8,575 | 2% KCl Water | | | 0% |
| 3 - Pad | 11,150 | Delta-R Foam Frac (13) - Uintah | | | 55% |
| 4 - Proppant Laden Fluid | 5,000 | Delta-R Foam Frac (13) - Uintah | 0.5 lbm/gal | Premium White-20/40 | 55% |
| 5 - Proppant Laden Fluid | 5,000 | Delta-R Foam Frac (13) - Uintah | 1 lbm/gal | Premium White-20/40 | 55% |
| 6 - Proppant Laden Fluid | 11,250 | Delta-R Foam Frac (13) - Uintah | 2 lbm/gal | Premium White-20/40 | 55% |
| 7 - Proppant Laden Fluid | 23,333 | Delta-R Foam Frac (13) - Uintah | 3 lbm/gal | Premium White-20/40 | 55% |
| 8 - Flush | 600 | Water Frac G - R (20) | , | · | 0% |
| 9 - Acid | 500 | 7.5%_FE Acid-XTO | | | 0% |
| 10 - Flush | 7,800 | Water Frac G - R (20) | | | 0% |

16. RD frac equip. RU WL truck.

17. SHUT WELL IN FOR A MINIMUM OF 15 MINUTES.

- 18. RIH w/5-1/2" composite bridge plug. Set 8K CBP @ ±8,605' (ensure 8K CBP is not set in a casing collar). POH w/setting tl.
- 19. Perf Mesaverde with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 39 holes). POH with csg gun & RD WL truck.

Mesaverde Perfs

| PERF | CCL |
|---------------|-----|
| 8,568'-8,576' | |
| 8,559'-8,561' | |
| 8,364'-8,372' | |

- 20. RU frac equip. Pressure test surface lines to 6,200 psig. BD perfs with 2% KCl water and EIR. Acidize Mesaverde perfs from 8,364' 8,576' with 1,100 gals of 7.5% NEFE HCl acid and 59 Bioballs at 12 BPM down 5-1/2" csg. Flush with 8,475 gals 2% KCl water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. Ball-off acid. Surge balls back several times. Shut down for 20 minutes, allowing Bio-balls to dissolve.
- 21. Review treatment schedule with service company personnel and confirm treatment rate, stage fluid volumes, proppant volumes, type and amount of flush.
- 22. Frac Mesaverde perfs down 5-1/2" casing at 42 BPM. Pump 55Q N2 foam gelled fluid (Delta-R Foam Frac) w/75,000 lbs 20/40 Ottawa proppant coated with Expedite Lite. Over-flush (500 gals) by pumping 900 gals Water Frac G-R w/additives, 500 gals 7.5% NEFE HCl acid, and 7,250 gals Water Frac G-R w/additives. Record ISIP & 5" SIP.

| Stage 3 | Volume | <u>Fluid</u> | Conc. | Proppant/Balls | <u>N2</u> |
|--------------------------|--------|---------------------------------|-------------|---------------------|-----------|
| 1 – Acid | 1,100 | 7.5% FE Acid-XTO | | | 0% |
| 2 – Flush | 8,475 | 2% KCl Water | | | 0% |
| 3 - Pad | 8,350 | Delta-R Foam Frac (13) - Uintah | | | 55% |
| 4 - Proppant Laden Fluid | 3,750 | Delta-R Foam Frac (13) - Uintah | 0.5 lbm/gal | Premium White-20/40 | 55% |
| 5 - Proppant Laden Fluid | 3,750 | Delta-R Foam Frac (13) - Uintah | 1 lbm/gal | Premium White-20/40 | 55% |
| 6 - Proppant Laden Fluid | 8,438 | Delta-R Foam Frac (13) - Uintah | 2 lbm/gal | Premium White-20/40 | 55% |
| 7 - Proppant Laden Fluid | 17,500 | Delta-R Foam Frac (13) - Uintah | 3 lbm/gal | Premium White-20/40 | 55% |
| 8 - Flush | 900 | Water Frac G - R (20) | | | 0% |
| 9 - Acid | 500 | 7.5% FE Acid-XTO | | | 0% |
| 10 - Flush | 7,250 | Water Frac G - R (20) | | | 0% |

- 23. RD frac equip. RU WL truck.
- 24. SHUT WELL IN FOR A MINIMUM OF 15 MINUTES.

- 25. RIH w/5-1/2" composite bridge plug. Set 8K CBP @ ±8,080' (ensure 8K CBP is not set in a casing collar). POH w/setting tl.
- 26. Perf Mesaverde with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 35 holes). POH with csg gun.

Mesaverde Perfs

| PERF | CCL |
|---------------|-----|
| 8,007'-8,009' | |
| 8,001'-8,004' | |
| 7,946'-7,957' | |

- 27. RU frac equip. Pressure test surface lines to 6,200 psig. BD perfs with 2% KCl water and EIR. Acidize Mesaverde perfs from 7,946'-8,009' with 1,000 gals of 7.5% NEFE HCl acid and 53 Bioballs at 12 BPM down 5-1/2" csg. Flush with 7,925 gals 2% KCl water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. Ball-off acid. Surge balls back several times. Shut down for 20 minutes, allowing Bio-balls to dissolve.
- 28. Review treatment schedule with service company personnel and confirm treatment rate, stage fluid volumes, proppant volumes, type and amount of flush.
- 29. Frac Mesaverde perfs down 5-1/2" casing at 40 BPM. Pump 55Q N2 foam gelled fluid (Delta-R Foam Frac) w/30,000 lbs 20/40 Ottawa proppant coated with Expedite Lite. Flush with 7,750 gals 2% KCl water. Record ISIP & 5" SIP.

| Stage 4 | Volume | <u>Fluid</u> | Conc. | Proppant/Balls | <u>N2</u> |
|--------------------------|--------|---------------------------------|-------------|---------------------|-----------|
| 1 – Acid | 1,000 | 7.5%_FE Acid-XTO | | | 0% |
| 2 – Flush | 7,925 | 2% KCl Water | | | 0% |
| 3 - Pad | 3,350 | Delta-R Foam Frac (13) - Uintah | | | 55% |
| 4 - Proppant Laden Fluid | 1,500 | Delta-R Foam Frac (13) - Uintah | 0.5 lbm/gal | Premium White-20/40 | 55% |
| 5 - Proppant Laden Fluid | 1,500 | Delta-R Foam Frac (13) - Uintah | 1 lbm/gal | Premium White-20/40 | 55% |
| 6 - Proppant Laden Fluid | 3,375 | Delta-R Foam Frac (13) - Uintah | 2 lbm/gal | Premium White-20/40 | 55% |
| 7 - Proppant Laden Fluid | 7,000 | Delta-R Foam Frac (13) - Uintah | 3 lbm/gal | Premium White-20/40 | 55% |
| 8 - Flush | 7,750 | 2% KCl Water | | | 0% |

- 30. RDMO frac equip. RU WL truck.
- 31. RIH w/ 5-1/2" composite bridge plug. Set CBP (kill plug) at $\pm 7,500$ '. POH w/ setting tool and RDMO WL.

WELL WILL INITIALLY BE COMPLETED AS A MESAVERDE ONLY WELL

- 32. MIRU PU. MI ±286 jts (9,010') 2-3/8", 4.7#, J-55, EUE, 8rd tbg. TIH w/4-3/4" bit, double dart safety sub, pump-off sub, SN and 2-3/8" tubing. DO 8K CBPs at 7,500' (kill plug), 8,080', 8,605', & 8,705'. CO to PBTD (9,010') and circulate wellbore clean.
- 33. Land tubing at $\pm 8,700$ '. SN at $\pm 8,701$ '. ND BOP. NU WH. Drop ball and pressure up to pump off sub, safety sub and bit.
- 34. If necessary, RU swab line and lubricator. Swab well until clean fluid is obtained and well kicks off.
- 35. Install flowback manifold. Flowback well thru a choke manifold to flowback tank. Start with a 12/64" choke. Increase choke size as appropriate. RDMO PU.
- 36. Report rates and pressures to Ray Martin.

- 37. Following a production test of the MV, continue with Wasatch completion when directed.
- 38. MIRU PU.
- 39. Blow well down and kill with 2% KCl water down tubing/casing annulus.
- 40. ND WH. NU BOP.
- 41. TIH slowly and softly tag PBTD @ 9,010'.
- 42. TOH and LD 2-3/8" tbg. Report fill or scale (if any) to Ray Martin.
- 43. ND BOP. NU frac valve.
- 44. MIRU wireline and mast truck. RU full lubricator.

- 45. RIH w/5-1/2" composite bridge plug. Set 8K CBP @ ±7,500' (ensure 8K CBP is not set in a casing collar). POH w/setting tl.
- 46. Perf Uteland Buttes with a 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 19 holes). POH with csg gun & RDMO WL truck.

| Uteland Buttes Perfs | | | | |
|----------------------|-----|--|--|--|
| PERF | CCL | | | |
| 7,381'-7,390' | | | | |

- 47. MIRU WH isolation tool. MIRU N2 frac equip.
- 48. Pressure test surface lines to 6,200 psig. Review treatment schedule with service company personnel and confirm treatment rate, stage fluid volumes, proppant volumes, type and amount of flush.
- 49. Breakdown formation and establish injection @ +/- 10 BPM. Spearhead 1,000 gals 7.5% HCl and frac Uteland Buttes perfs down 5-1/2" casing at 30 BPM. Pump 70Q N2 foam gelled fluid (Delta-R Foam Frac) w/15,750 lbs 20/40 Ottawa proppant followed by 5,250 lbs Ottawa proppant coated with Expedite Lite (4ppg stage). Over-flush (500 gals) by pumping 1,500 gals Water Frac G-R w/additives, 500 gals 7.5% NEFE HCl acid, and 5,700 gals Water Frac G-R w/additives. Record ISIP & 5" SIP.

| Stage 5 | Volume | <u>Fluid</u> | Conc. | Proppant/Balls | <u>N2</u> |
|--------------------------|--------|-----------------------------------|-----------|---------------------|-----------|
| 1 – Acid | 1.000 | 7.5% FE Acid-XTO | | | 0% |
| 2 - Pad | 1,900 | Delta-R Foam Frac (13) - Uintah | | | 70% |
| 3 - Proppant Laden Fluid | 1,050 | Delta-R Foam Frac (13) - Uintah | 1 lbm/gal | Premium White-20/40 | 70% |
| 4 - Proppant Laden Fluid | 1,050 | Delta-R Foam Frac (13) - Uintah | 2 lbm/gal | Premium White-20/40 | 70% |
| 5 - Proppant Laden Fluid | 4,200 | Delta-R Foam Frac (13) - Uintah | 3 lbm/gal | Premium White-20/40 | 70% |
| 6 - Proppant Laden Fluid | 1,300 | Delta-R Foam Frac (13) - Expedite | 4 lbm/gal | Premium White-20/40 | 70% |
| 7 - Flush | 1,500 | Water Frac G - R (20) | | | 0% |
| 8 - Acid | 500 | 7.5% FE Acid-XTO | | | 0% |
| 9 - Flush | 5,700 | Water Frac G - R (20) | | | 0% |

- 50. RD frac equip. RU WL truck.
- 51. SHUT WELL IN FOR A MINIMUM OF 15 MINUTES.

- 52. RIH w/5-1/2" composite bridge plug. Set 8K CBP @ ±6,505' (ensure 8K CBP is not set in a casing collar). POH w/setting tl.
- 53. Perf Chapita Wells with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 39 holes). POH with csg gun & RD WL truck.

6,232'-6,236'

| Chapita Wells Peris | | | | | | |
|---------------------|---------------|--|--|--|--|--|
| PERF | CCL | | | | | |
| 6,426'-6,432' | | | | | | |
| 6,374'-6,382' | . | | | | | |

- 54. RU frac equip. Pressure test surface lines to 6,200 psig. BD perfs with 2% KCl water and EIR. Acidize Chapita Wells perfs from 6,232'-6,432' with 1,150 gals of 7.5% NEFE HCl acid and 59 Bioballs at 12 BPM down 5-1/2" csg. Flush with 6,400 gals 2% KCl water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. Ball-off acid. Surge balls back several times. Shut down for 20 minutes, allowing Bio-balls to dissolve.
- 55. Review treatment schedule with service company personnel and confirm treatment rate, stage fluid volumes, proppant volumes, type and amount of flush.
- 56. Frac Chapita Wells perfs down 5-1/2" casing at 42 BPM. Pump 70Q N2 foam gelled fluid (Delta-R Foam Frac) w/45,000 lbs 20/40 Ottawa proppant followed by 15,000 lbs Ottawa proppant coated with Expedite Lite (4ppg stage). Over-flush (500 gals) by pumping 700 gals Water Frac G-R w/additives, 500 gals 7.5% NEFE HCl acid, and 5,375 gals Water Frac G-R w/additives. Record ISIP & 5" SIP.

| Stage 6 | <u>Volume</u> | <u>Fluid</u> | Conc. | Proppant/Balls | <u>N2</u> |
|--------------------------|---------------|-----------------------------------|-----------|---------------------|-----------|
| 1 – Acid | 1,150 | 7.5% FE Acid-XTO | | | 0% |
| 2 – Flush | 6,400 | 2% KCl Water | | | 0% |
| 3 - Pad | 5,425 | Delta-R Foam Frac (13) - Uintah | | | 70% |
| 4 - Proppant Laden Fluid | 3,000 | Delta-R Foam Frac (13) - Uintah | 1 lbm/gal | Premium White-20/40 | 70% |
| 5 - Proppant Laden Fluid | 3,000 | Delta-R Foam Frac (13) - Uintah | 2 lbm/gal | Premium White-20/40 | 70% |
| 6 - Proppant Laden Fluid | 12,000 | Delta-R Foam Frac (13) - Uintah | 3 lbm/gal | Premium White-20/40 | 70% |
| 7 - Proppant Laden Fluid | 3,750 | Delta-R Foam Frac (13) - Expedite | 4 lbm/gal | Premium White-20/40 | 70% |
| 8 - Flush | 700 | Water Frac G - R (20) | | | 0% |
| 9 - Acid | 500 | 7.5% FE Acid-XTO | | | 0% |
| 10 - Flush | 5,375 | Water Frac G - R (20) | | | 0% |

- 57. RD frac equip. RU WL truck.
- 58. SHUT WELL IN FOR A MINIMUM OF 15 MINUTES.

7/23/2010

- 59. RIH w/5-1/2" composite bridge plug. Set 8K CBP @ ±6,115' (ensure 8K CBP is not set in a casing collar). POH w/setting tl.
- 60. Perf Chapita Wells with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 25 holes). POH with csg gun & RD WL truck.

Chapita Wells Perfs

| Γ | PERF | CCL |
|---|---------------|-----|
| | 6,053'-6,055' | |
| | 6,042'-6,045' | |
| | 5,918'-5,924' | |

- 61. RU frac equip. Pressure test surface lines to 6,200 psig. BD perfs with 2% KCl water and EIR. Acidize Chapita Wells perfs from 5,918'-6,055' with 750 gals of 7.5% NEFE HCl acid and 38 Bioballs at 12 BPM down 5-1/2" csg. Flush with 6,000 gals 2% KCl water (2 bbls over flush). Record ISIP, 5", and 10" SIPs. Ball-off acid. Surge balls back several times. Shut down for 20 minutes, allowing Bio-balls to dissolve.
- 62. Review treatment schedule with service company personnel and confirm treatment rate, stage fluid volumes, proppant volumes, type and amount of flush.
- 63. Frac Chapita Wells perfs down 5-1/2" casing at 30 BPM. Pump 70Q N2 foam gelled fluid (Delta-R Foam Frac) w/20,250 lbs 20/40 Ottawa proppant followed by 6,750 lbs Ottawa proppant coated with Expedite Lite (4ppg stage). Over-flush (500 gals) by pumping 650 gals Water Frac G-R w/additives, 500 gals 7.5% NEFE HCl acid, and 5,100 gals Water Frac G-R w/additives. Record ISIP & 5" SIP.

| Stage 7 | Volume | <u>Fluid</u> | Conc. | Proppant/Balls | <u>N2</u> |
|--------------------------|--------|-----------------------------------|-----------|---------------------|-----------|
| 1 – Acid | 750 | 7.5% FE Acid-XTO | | | 0% |
| 2 – Flush | 6,000 | 2% KCl Water | | | 0% |
| 3 - Pad | 2,450 | Delta-R Foam Frac (13) - Uintah | | | 70% |
| 4 - Proppant Laden Fluid | 1,350 | Delta-R Foam Frac (13) - Uintah | 1 lbm/gal | Premium White-20/40 | 70% |
| 5 - Proppant Laden Fluid | 1,350 | Delta-R Foam Frac (13) - Uintah | 2 lbm/gal | Premium White-20/40 | 70% |
| 6 - Proppant Laden Fluid | 5,400 | Delta-R Foam Frac (13) - Uintah | 3 lbm/gal | Premium White-20/40 | 70% |
| 7 - Proppant Laden Fluid | 1,675 | Delta-R Foam Frac (13) - Expedite | 4 lbm/gal | Premium White-20/40 | 70% |
| 8 - Flush | 650 | Water Frac G - R (20) | | | 0% |
| 9 - Acid | 500 | 7.5% FE Acid-XTO | - | | 0% |
| 10 - Flush | 5,100 | Water Frac G - R (20) | | | 0% |

- 64. RD frac equip. RU WL truck.
- 65. SHUT WELL IN FOR A MINIMUM OF 15 MINUTES.

7/23/2010

- 66. RIH w/5-1/2" composite bridge plug. Set 8K CBP @ ±5,850' (ensure 8K CBP is not set in a casing collar). POH w/setting tl.
- 67. Perf Wasatch with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 47 holes). POH with csg gun.

| W | 'asatcl | n Perfs |
|---|---------|---------|
|---|---------|---------|

| PERF | CCL | PERF | CCL |
|---------------|-----|---------------|-----|
| 5,792'-5,794' | | 5,729'-5,740' | |
| 5,783'-5,785' | | 5,630'-5,634' | |
| 5,772'-5,774' | | | |

- 68. RU frac equip. Pressure test surface lines to 6,200 psig. BD perfs with 2% KCl water and EIR. Acidize Wasatch perfs from 5,630'-5,794' with 1,350 gals of 7.5% NEFE HCl acid and 71 Bio-balls at 12 BPM down 5-1/2" csg. Flush with 5,775 gals 2% KCl water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. Ball-off acid. Surge balls back several times. Shut down for 20 minutes, allowing Bio-balls to dissolve.
- 69. Review treatment schedule with service company personnel and confirm treatment rate, stage fluid volumes, proppant volumes, type and amount of flush.
- 70. Frac Wasatch perfs down 5-1/2" casing at 42 BPM. Pump 70Q N2 foam gelled fluid (Delta-R Foam Frac) w/38,250 lbs 20/40 Ottawa proppant followed by 12,750 lbs Ottawa proppant coated with Expedite Lite (4ppg stage). Flush with 5,475 gals 2% KCl water. Record ISIP & 5" SIP.

| Stage 8 | <u>Volume</u> | <u>Fluid</u> | Conc. | Proppant/Balls | <u>N2</u> | |
|--------------------------|---------------|-----------------------------------|-----------|---------------------|-----------|--|
| 1 – Acid | 1,350 | 7.5%_FE Acid-XTO | | | 0% | |
| 2 – Flush | 5,775 | 2% KCl Water | | | 0% | |
| 3 - Pad | 4,625 | Delta-R Foam Frac (13) - Uintah | | | 70% | |
| 4 - Proppant Laden Fluid | 2,550 | Delta-R Foam Frac (13) - Uintah | 1 lbm/gal | Premium White-20/40 | 70% | |
| 5 - Proppant Laden Fluid | 2,550 | Delta-R Foam Frac (13) - Uintah | 2 lbm/gal | Premium White-20/40 | 70% | |
| 6 - Proppant Laden Fluid | 10,200 | Delta-R Foam Frac (13) - Uintah | 3 lbm/gal | Premium White-20/40 | 70% | |
| 7 - Proppant Laden Fluid | 3,200 | Delta-R Foam Frac (13) - Expedite | 4 lbm/gal | Premium White-20/40 | 70% | |
| 8 - Flush | 5,475 | 2% KCl Water | | | 0% | |

- 71. RDMO frac equip. RU WL truck.
- 72. RIH w/ 5-1/2" composite bridge plug. Set CBP (kill plug) at $\pm 5,200$ '. POH w/ setting tool and RDMO WL.

- 73. MIRU PU. Pick up ±286 jts (9,010') 2-3/8", 4.7#, J-55, EUE, 8rd tbg. TIH w/4-3/4" bit, double dart safety sub, pump-off sub, SN and 2-3/8" tubing. DO 8K CBPs at 5,200' (kill plug), 5,850', 6,115', 6,505', & 7,500'. CO to PBTD (9,010') and circulate wellbore clean.
- 74. Land tubing at $\pm 8,700$ '. SN at $\pm 8,701$ '. ND BOP. NU WH. Drop ball and pressure up to pump off sub, safety sub and bit.
- 75. If necessary, RU swab line and lubricator. Swab well until clean fluid is obtained and well kicks off.
- 76. Install flowback manifold. Flowback well thru a choke manifold to flowback tank. Start with a 12/64" choke. Increase choke size as appropriate. RDMO PU.
- 77. Report rates and pressures to Ray Martin

Regulatory:

1. None

Equipment:

1. TBG: ±286 jts 2-3/8" tubing, SN, pump-off bit sub, safety sub and bit

| | FORM 9 | | | | | |
|---|--|---|---|--|--|--|
| | 5.LEASE DESIGNATION AND SERIAL NUMBER: U-035316 | | | | | |
| SUNDI | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | | | |
| Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals | 7.UNIT OF CA AGREEMENT NAME: RIVER BEND | | | | | |
| 1. TYPE OF WELL Gas Well | 8. WELL NAME and NUMBER: RBU 22-10E | | | | | |
| 2. NAME OF OPERATOR: XTO ENERGY INC | | | 9. API NUMBER: 43047385880000 | | | |
| 3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 8 | | ONE NUMBER: | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2064 FNL 1241 FWL | | | COUNTY: UINTAH | | | |
| QTR/QTR, SECTION, TOWNSH: Qtr/Qtr: SWNW Section: 1 | IP, RANGE, MERIDIAN: 0 Township: 10.0S Range: 19.0E Meridian | n: S | STATE: UTAH | | | |
| 11. CHE | CK APPROPRIATE BOXES TO INDICA | TE NATURE OF NOTICE, REPORT, | OR OTHER DATA | | | |
| TYPE OF SUBMISSION | | TYPE OF ACTION | | | | |
| | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR | | | |
| NOTICE OF INTENT Approximate date work will start: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME | | | |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | CONVERT WELL TYPE | | | |
| SUBSEQUENT REPORT Date of Work Completion: | DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION | | | |
| 8/27/2010 | OPERATOR CHANGE | ☐ PLUG AND ABANDON | PLUG BACK | | | |
| SPUD REPORT | ☐ PRODUCTION START OR RESUME | RECLAMATION OF WELL SITE | ✓ RECOMPLETE DIFFERENT FORMATION | | | |
| Date of Spud: | REPERFORATE CURRENT FORMATION | SIDETRACK TO REPAIR WELL | TEMPORARY ABANDON | | | |
| | ☐ TUBING REPAIR | VENT OR FLARE | WATER DISPOSAL | | | |
| DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | SI TA STATUS EXTENSION | APD EXTENSION | | | |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: RE-DELIVERY | | | |
| XTO Energy Inc. ha | MPLETED OPERATIONS. Clearly show all pe as re-delivered this well to Qu with the Wasatch Zone added the attached completion sum | estar Gas Management on I to the existing Mesaverden Imary for further details. Oi | Accepted by the | | | |
| NAME (PLEASE PRINT) Barbara Nicol | PHONE NUMBER 505 333-3642 | TITLE Regulatory Compliance Tech | | | | |
| SIGNATURE N/A | | DATE 9/2/2010 | | | | |

Riverbend Unit 22-10E

7/28/2010: MIRU Key WS rig #6013. Bd well. ND WH. NU BOP. TOH & LD 265 jts 2-3/8", L-80, 4.7#, EUE 8rd tbg, 2-3/8" SN & BRS. MIRU Lone Wolf WLU. RIH w/GR. RIH w/5-1/2" Halliburton 10K CBP. Set CBP @ 7,508' above MV perfs fr/7,946' - 8,744'. PBTD @ 9,010'. POH & LD setting tl. RDMO WL. Fill csg w/170 bbls 2% KCl wtr. PT CBP & csg to 2,000 psig for 10". Tstd ok. RIsd press. SWI. SDFN.

7/29/2010: ND BOP. NU frac vlv assy. MIRU B&C tstrs. PT frac vlv, csg & CBP to 6,200 psig w/2 bbls trtd 2% KCL wtr for 10". Tstd ok. Rlsd press. RDMO tst trk. SWI. RDMO KWS rig #6013. Rpts suspnd to further activity.

7/31/2010: MIRU HES & CHS WLU. Held safety mtg & PT all surface lines to 6,200 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs. Perf WA stage #5 interval fr/7,381' - 7,390' w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6 pene., 18 holes). POH & LD perf guns. BD WA stg #5 perfs w/2% KCL wtr and EIR. Spearhead 1,000 gals 7.5% NEFE HCI ac & fracd WA stg #5 perfs fr/7,381' - 7,390' dwn 5-1/2" csg w/11,942 gals 70Q N2 foam gelled 2% KCl wtr + additives (Delta-R Foam Frac) carrying 21,300# 20/40 Ottawa sd, coated w/Expedite Lite on 4 lb stg. Flshd frac w/177 bbls 2% KCL wtr & 500 gals 7-1/2% NEFE HCl ac w/acid spotted across next perfinterval. Max DH sd conc 4.3 ppg. ISIP 2,917 psig, 5" SIP 2,313 psig. Used 264 MSCF of N2. AIR 30.9 BPM (foam). ATP 4,154 psig. RIH & set 8K CBP @ 6,510'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs. Perf WA stage #6 intv fr/6,232' - 6,236', 6,374' - 6,382' & 6,426' 6,432' w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6 pene., 36 holes). POH & LD perf guns. BD WA stg #6 perfs w/2% KCL wtr and EIR. A. WA perfs fr/6,232' - 6,432' w/1,150 gals of 7-1/2% NEFE HCL ac and 59 Bio-balls dwn 5-1/2" csg. Good BA. Balled Out. Max TP 5,700 psig. ISIP 1552 psig, 5" SIP 573 psig & 10" SIP 461 psig. Surged balls off perfs, wait 20". Fracd WA stg #6 perfs fr/6,232" - 6,236', 6,374" - 6,382', 6,426' - 6,432', dwn 5-1/2" csg w/32,758 gals 70Q N2 foam gelled 2% KCI wtr + additives (Delta-R Foam Frac) carrying 60,100# 20/40 Ottawa sd, coated w/Expedite Lite on 4 lb stg. Flshd frac w/147 bbls 2% KCL wtr & 500 gals 7-1/2% NEFE HCl ac w/acid spotted across next perf interval. Max DH sd conc 3.8 ppg. ISIP 1,870 psig, 5" SIP 1,634 psig. Used 680 MSCF of N2. AIR 47.6 BPM (foam). ATP 3,019 psig. RIH & set 8K CBP @ 6,100'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs. Perf WA stage #7 intv fr/5,918' - 5,924', 6,042' - 6,045' & 6,053' -6,055' w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6 pene., 22 holes). POH & LD perf guns. BD WA stg #7 perfs w/2% KCL wtr and EIR. A. WA perfs fr/5,918' - 6,055' w/750 gals of 7-1/2% NEFE HCL ac and 38 Bio-balls dwn 5-1/2" csg. Good BA. Balled Out. Max TP 5,700 psig. ISIP 679 psig, 5" SIP 203 psig & 10" SIP 113 psig. Surged balls off perfs, wait 20". Fracd WA stg #7 perfs fr/5,918' - 6,055', dwn 5-1/2" csg w/19,802 gals 70Q N2 foam gelled 2% KCI wtr + additives (Delta-R Foam Frac) carrying 27,100# 20/40 Ottawa sd, coated w/Expedite Lite on 4 lb stg. Flshd frac w/140 bbls 2% KCL wtr & 500 gals 7-1/2% NEFE HCl w/acid spotted across next perf interval. Max DH sd conc 3.5 ppg. ISIP 1,069 psig, 5" SIP 646 psig. Used 288 MSCF of N2. AIR 41.2 BPM (foam). ATP 2,320 psig. RIH & set 8K CBP @ 5,830'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs. Perf WA stage #8 intv fr/5,630' - 5,640', 5,729' - 5,740', 5,772' - 5,774', 5,783' - 5,785' & 5,792' - 5,794' w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6 pene., 44 holes). POH & LD perf guns. BD WA stg #8 perfs w/2% KCL wtr and EIR. A. WA perfs fr/5,630' - 5,794' w/1,350 gals of 7-1/2% NEFE HCL ac and 71 Bio-balls dwn 5-1/2" csg. Good BA. Balled Out. Max TP 5,700 psig. ISIP 944 psig, 5" SIP 779 psig & 10" SIP 702 psig. Surge balls off perfs, wait 20". Fracd WA stg #8 perfs fr/5,630' - 5,794', dwn 5-1/2" csg w/28,758 gals 70Q N2 foam gelled 2% KCl wtr + additives (Delta-R Foam Frac) carrying 51,400# 20/40 Ottawa sd, coated w/Expedite Lite on 4 lb stg. Flshd frac w/143 bbls 2% KCL wtr. Max DH sd conc 4.7 ppg. ISIP 1,763 psig, 5" SIP 1,520 psig. Used 406 MSCF of N2. AIR 45 BPM (foam). ATP 2,498 psig. RDMO HES. RIH w/5-1/2" 8K kill plug. Kill plug tgd & stuck @ 2,810'. Attd to set plug w/no sucess. SICP 1,725 psig. Begin to flow back well while wrkg WL. Pld setting tl & kill plug up hole to 1,930' & WL parted @ surf. Call for fishing tls. RU & drpd Kinley cutter. POH w/approx 1,925' of WL w/no recy of Kinley cutter. RDMO CHS WLU. SWI & SDFWE. Rpts suspd pending rig activity.

8/18/2010: MIRU 4CWS #5. Rig SD to repl sandline.

8/19/2010: FCP 290 psig on 48/64 ck. KW w/134 bbls 2% KCL wtr. ND frac vlv. NU BOP & hydril. PU & TIH w/1-5/16" x 3-7/8" spring latch, finger basket, 6' x 3-3/4" extn, bmpr sub, hyd jars & 176 jts 2-3/8" tbg. Tgd TOF @ 5,780'. Wrk OS over TOF. TOH w/tbg & fishing tls. No recy of Kinley cutter. Hvy marks 7" into spring latch & 3 springs were missing. TIH w/1-11/16"x 3-7/8" short catch OS, fishing assy & tbg. Tgd & appeared to engage TOF @ 5,780'. Jar fish @ 30K over strg wt twice & pld free. TOH w/tbg & fishing assy. No recy of Kinley cutter. Hvy marks on ext of OS. No marks inside grapple. Lt marks on face of OS (poss wireline). SWI & SDFN.

8/20/2010: TIH w/WL spear, 4-3/4" No-Go, bmpr sub, hyd jars & 2-3/8" tbg. Tgd TOF @ 5,780'. Wrkd WL spear w/med restriction. TOH w/WL spear, fishing assy & tbg. No recy of WL. TIH w/1-5/8"x 4-3/4" short catch OS, fishing assy & tbg. Wrk over TOF while ppg dwn tbg @ 2 BPM. Major incr in press when over fish. TOH w/tbg & fishing assy w/no sucess. Face of grapple showed ID of CCL. TIH w/3-1/8" OS w/bowl extn, bmpr sub, hyd jars & tbg. Tgd & engaged TOF fish @ 5,780'. Med to hvy restriction while pulling 5 jts tbg. TOH w/tbg & fishing assy. Recd & LD 15' of 1/4" WL, CCL, sbs & setting tl. No recy of Kinley cutter or 5-1/2" CBP (poss set @ 5,615' during TOH). SWI & SDFWE.

8/23/2010: TIH w/4- 11-16" OS dressed w/1-5/16" grapple, bpmr sub & 177 jts 2-3/8" tbg. Tgd TOF (Kinley cutter) @ 5,794'. Wrk over & engage fish. TOH w/ tbg. LD fishing assy & Kinley cutter. TIH w/4-3/4" Hurricane mill, BRS, safety sub, 2-3/8" SN & 178 jts tbg. Tgd 5-1/2" CBP @ 5,798'. MIRU pwr swivel & AFU. SWI & SDFN.

8/24/2010: Estb circion w/AFU. DO 5-1/2" CBPs @ 5,798', 5,830', 6,100', 6,510' & 7,508'. Circ cln. TIH & tgd @ 8,970'. DO @ 8,970' for 1 hr w/no add hole made. Contd to circ well w/AFU for 2 hrs. RDMO pwr swivel & AFU. TOH w/9 jts 2-3/8" tbg. SDFN. Turn well over to flow tstrs.

8/25/2010: Well flw fr/8-24-10, 18:00 to 8-25-10, 7:00 . F. 0 BO, 79 BLW, 13 hrs, 18/64 ck. Rets of gas, wtr, N2. TIH w/9 jts 2-3/8" tbg. Tgd @ 8,970' (no fill overnight). TOH & LD 9 jts 2-3/8" tbg. SI csg. Ld prod tbg w/hgr as follows: 265 jts 2-3/8", L-80, 4.7#, EUE 8rd tbg, 2-3/8" SN, BRS (top sec). SN @ 8,693'. EOT @ 8,694'. WA/MV perfs fr/5,630' - 8,744', Fill @ 8,970' & PBTD @ 9,010'. ND hydril & BOP. NU WH. RU swb tls. RIH w/XTO's 1.90" tbg broach to SN, no ti spts. POH & LD broach. Dropd ball & ppd mill & btm 1/2 of BRS off w/32 bbls 2% KCl wtr @ 1000 psig. RU swb tls. BFL @ 4,200' FS. S. 0 BO, 40 BLW, 8 runs, 3 hrs. FFL @ 2,700' FS. KO well flwg. RDMO 4CWS #5. Turn well over to flow crew, begin tst data. 14:00- 17:00. FTP 400- 720 psig. SICP 950 psig. F. 0 BO, 26 BLW, 18/64 ck, 3hrs.

8/26/2010: F. 0 BO, 55 BLW, 18/64 ck, 23 hrs. Ret of wtr, gas & N2. 16:00 N2 tstd @ 6%. SWI & RDMO flow tstrs. Turn well over to prod, begin tst data.

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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DOGM COPY FORM APPROVED OMB NO. 1004-0137 Expire's July 31, 2010

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| WELL COMPLETION OR RECOMPLETION REPORT AND LOG | | | | | | | 5. Lease Serial No. | | | | | | | |
|--|-----------------------------------|------------------|--|-----------------|-------------------|---------------|---------------------|--|------------------|--------------------------------------|---|-----------------------|---------------------|---|
| 1a. Type of Well Gas Well Dry Other | | | | | | | | U-035316 6. If Indian, Allotee or Tribe Name | | | | | | |
| | | | | | | | | N/A | | | | | | |
| b. Type | of Completion: | _ | New Well Work Over Deepen Plug Back X Diff.Resvr,. | | | | | | | 7. Unit or CA Agreement Name and No. | | | | |
| Other ADD WASATCH ZONE TO MESAVERDE 2. Name of Operator | | | | | | | | | RIVERBEND UNIT | | | | | |
| XTO Energy Inc. | | | | | | | | | | 8. Lease Name and Well No. | | | | |
| 3. Address 3a. Phone No. (include area code) | | | | | | | | | | code) | RBU 22 9. API Well | | | |
| 382 CR 3100 Aztec, NM 87410 505-333-3100 | | | | | | | | | | 43-047-38588 | | | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* | | | | | | | | | | 1 | 10. Field and Pool, or Exploratory | | | |
| At surfa | ^{ce} 2,064 | FNL & | 1,241' | FWL | | | | | | | 1 | NATURA 1 Sec. T. I | | TES r Block and |
| | 1 | | | | | | | | | | 1 | Survey or | r Área | |
| At top p | rod. interval re | portea be | low 2,57 | 4' FNL | & 2,321 | FWL SE | NW S | SEC 10-T1 | .0S-R1 | L9E | 1 | 2. County or | | -T10S-R19E |
| At total | depth 2 5 | 74' FN | ւ & 2,32 | 1 ਸ ਘ ਾ. | | | | | | | | • | 1 1 (11 15)1 | |
| 4. Date S | | _ | ate T.D. Rea | | | 16. Dat | e Con | npleted | | | 1 | JINTAH 7. Elevatio | ns (DF, 1 | UTAH RKB, RT, GL)* |
| 2 | P | | | | | | D & A | <u> </u> | Read | y to P | rod. | | (,- | ,, |
| 11/6 | /2008 | 12 | 2/5/2008 | | | | 8/27 | 7/2010 | _ | | | 5,002' | GL | |
| 8. Total l | Depth: MD | | | 19. Plug I | Back T.D.: I | | | 10' | 20. | Depth | Bridge Pl | | MD | |
| 1 77 1 | TVD | | 901' | (0.1.* | | ΓVD | 8,8 | 349' | 1 | | | | TVD | |
| 1. Type i | Electric & Othe | r Mechan | icai Logs Ki | ın (Submi | copy of each | n) | | | - 1 | Was we Was DS | ll cored? | X No | = | Yes (Submit analysis) Yes (Submit report |
| PREVIO | USLY REPOR | CETS | | | | | | | 1 | | onal Survey? | = | | Yes (Submit copy) |
| | and Liner Rec | | ort all string | s set in we | II) | | | | | | | | | |
| Iole Size | Size/Grade | Wt.(#ft. |) Top (M | ID) Bot | tom (MD) | Stage Ceme | enter | No.of Sk | | Sh | urry Vol. | Cement | Top* | Amount Pulled |
| 20" | 14/A252A | 36.75 | | | 64' | Depth | | Type of Cement (BBL 63/Redimix | | (BBL) | SURF | | 1 2110 1111 1 11111 | |
| -1/4" | 9.6/J-55 | 36# | ,, o | | ,318' | | | | 40/Type III | | | SUR | | |
| 17 4 | 9.0/0 33 I | <u> </u> | | + - | ,510 | | | | 275/G | | | SUR | | |
| ·7/8" | 5.5/N-80 | 17# | 0 | 9 | ,052' | | | 990/G 6 | | | | 500 | | |
| <i>''</i> | J.J/11 00 | | - | | ,032 | | | 330/3 0 | 5, 55 | | | 300 | | · |
| | | | - | | | | | | | | | 1 | | |
| 4. Tubing | Record | | <u> </u> | | <u> </u> | | | <u> </u> | | | | | | |
| Size | Depth Set (| MD)] | Packer Depth | (MD) | Size | Depth Set (| (MD) | Packer De | pth (ME |) | Size | Depth Se | t (MD) | Packer Depth (MD) |
| 2-3/8" | 8,694 | , | | | | | | | | | | | | |
| . Produc | ing Intervals | | | - 1 | | 26. Perfora | | | | | | | | |
| | Formation | | Тор | | Bottom | Peri | forated | Interval | _ | Size | | No. Holes | +- | Perf. Status |
| | MESAVERD | | 7,946 | | ,744' | | | 8,744' | | 0.36 | | 161 | +- | OPEN |
| | WASATCH | | 5,630 | ' 7 | ,390' | 5,630 | <u> </u> | 7,390' | - | 0.36 | ''' | 120 | +- | OPEN |
| | | | | - | | | | | + | | | | +- | |
| | | | | | | | | | | | | | | |
| | racture, Treatr Depth Interval | nent, Cen | lent Squeeze | t, ecc. | | | | Amount and | Tyma of | Motoni | al | | | |
| | 6' - 8,744 | 11 | 1_0+ | | | otolo: | 7 . | | | | | ucl soid | | ac'd w/155,100 |
| 7,94 | 0 - 0,744 | <u> </u> | | | | | | | | | | | | 700# Premium |
| | - | | | | | | | dite Lit | | .0 100 | AL WUL (| <u> arryma</u> | 213, | 700# FIGHTOM |
| E 62 | 0' - 7,390 |) I | | | | | | w/5,750 | | 7 59 | NICET I | url acid | | ac'd w/93,260 |
| | ion - Interval A | | 4-30 | age use | aumaic (| vars. | <u></u> | W/3,730 · | <u>qais</u> | 7.5 | NEEE I | nu acro | i. FIC | ac a w/93,200 |
| ate First | Test | Hours | Test | Oil | Gas | Water | Oil Gra | | Gas | | Production | n Method | | |
| | Date 4/1/2009 | | Production | | MCF 1,084 | BBL 51 | Corr. A | | Gravity | | | | FLOW | ING. |
| hoke | Tbg. Press. | Csg. | 24 | Oil | Gas | Water | Gas: (| | Well Sta | itus | | | | ING |
| ize 15/64" | Flwg. SI 1,250 | Press. 1.540 | Hr. | BBL 16 | MCF 1,084 | BBL 51 | Ratio | | | PRAIN | UCING | | | CED 0.7 204 |
| | tion-Interval B | , = , = = 0 | | 1 10 | 1 - 7004 | <u> 1</u> | | <u> </u> | | <u> </u> | | | | SEP 0.7 201 |
| ate First | Test | Hours | Test | Oil | Gas | Water | Oil Gra | | Gas | | Production | n Method | | ny. of cil., gas & m |
| 7/2010 | Date 8/31/2010 | Tested 24 | Production | BBL 5 | MCF 902 | BBL 8 | COIT. F | n 1 | Gravity | | | | FLOW. | ING |
| hoke | Tbg. Press. | Csg. | 24 Hr | Oil | Gas MCF | Water BBI | Gas: (| | Well Sta | tus | | | | |
| ize 21 /6/11 | Flwg. | Press. | Hr. | BBL | MCF | BBL | Ratio | | | רוי∨סם | בערינו | | 00 | 011 o o |

| 28b, Producti | ion - Interval (| | Y400 | W.C | 100 | | <i>r</i> ; | <u>, '\</u> | | |
|------------------------|----------------------------------|-----------------|--|------------|-------------|--------------------------------------|-----------------------------|----------------------|-------------------------------|-----------------------------|
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Status | | |
| 28c. Product | tion-Interval D |) | | | • | • | | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Status | | |
| 29. Dispositi | on of Gas (Solo | d,used for | fuel, vented, et | c.) | | TO BE | SOLD | • | | |
| Show all | important zone depth interval | s of porosit | ude Aquifers): y and contents the on used, time to | ereof: Co | | | | 31. Formati | ion (Log) Markers | |
| Format | ion | Тор | Bottom | | Descr | iptions, Co | ntents, etc. | | Name | Тор |
| | | • | | + | | | | | | Meas.Depth |
| | | | 5. | | | | | GREEN RI | | 1,357 |
| | | | | | | | | MAHOGENY | | 2,191 |
| | | | | | | | | WASATCH | | 4,438 |
| | | | | | | | | | LIMESTONE | 4,818 |
| | | | | | | | | WASATCH | | 4,957 |
| | | | | | | | , | CHAPITA | | 5,833 |
| | | | | | | | | UTELAND MESAVERI | | 7,161 7,945 |
| | | | | | | | | | | |
| LINE | | I: gals | gging procedur | | fld (D | elta-R | Foam Frac) | carrying 15 | 59,900# 20/40 O LL | awa sand, coated |
| Electr | ical/Mechanic | al Logs (1 | tached by plac full set req'd) d cement verif | | Geol | ppropriate ogic Repor Analysis | | oort Directi | onal Survey | |
| 34. I hereby | certify that th | ne foregoir | g and attached | informa | tion is con | plete and o | correct as determin | ned from all availal | ble records (see attached in | structions)* |
| Name (pl | lease print) _ | BARBAR | A A. NICO | <u> </u> | | | Т | itle <u>REGULAT</u> | ORY COMPLIANCE TEX | CHNICIAN |
| Signature | . Bu | rbar | w a. | Tu | ical | • | D | Pate 09/02/2 | 010 | |
| Fish 10 II C | C. Sastian 10 | 101 and T | ele 42 II S C | Cantion | 12121 | a it a ories | for any norgan l | morvingly and will | fully to make to any dena | twent or occurry of the Hei |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Unite States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)